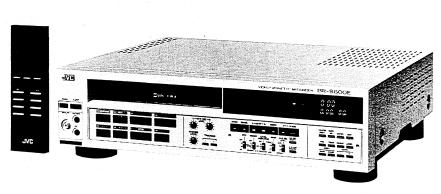
JVC

SERVICE MANUA

DEO CASSETTE RECORDER

BR-S600E





SPECIFICATIONS

GENERAL

: VHS · S-VHS standard **Format** : 12.65 mm (1/2 inch) Tape width Tape speed : 23.39 mm/s (SP)

Recording & Playback

time

: 180 min. with JVC SE-180 or E-180 (SP)

360 min. with JVC SE-180 or E-180 (LP) (Playback only)

: 5°C to 40°C Operating temperature : Less than 80% R.H. Operating humidity $: -20^{\circ}C$ to $60^{\circ}C$ Storage temperature

Power consumption : 30 watts : AC 220-240 V ~ 50/60 Hz Power requirement

Dimensions : 435 mm(W) x 124 mm(H) x 370 mm(D) (Excluding protrusions)

Weight : 7.5 kg

Fast forward/Rewind

time : Within 4.0 min. for 180 min. tape

VIDEO

Recording and Playback

system

: Rotary four head, herical scanning

system

Luminance: FM recording Colour: Down converted direct

recording

Video signal system : PAL-type colour signal/PAL-type

Y/C signal

: $0.5 \sim 2.0 \text{ Vp-p}$, 75 ohms, Input line video

unbalanced

Y/C443 : Y: 0.8 ~ 1.2 Vp-p, 75 ohms,

unbalanced

C: $0.2 \sim 0.4 \text{ Vp-p}$, 75 ohms,

unbalanced (Burst)

line video : 1.0 Vp-p, 75 ohms, unbalanced Output

> : Y: 1.0 Vp-p, 75 ohms, unbalanced Y/C443

C: 0.3 Vp-p, 75 ohms, unbalanced

(Burst)

Signal-to-noise ratio : 43 dB Horizontal resolution : 400 lines (S-VHS)

: 250 lines (VHS)

AUDIO

: -8 dBs, 50 k-ohms, unbalanced Input (line)

(Normal, Hi-Fi)

(microphone): -67 dBs, high impedance

level (line) : -6 dBs, 1 k-ohms, unbalanced Output

(Normal, Hi-Fi)

: 40 dB (Normal) Signal-to-noise ratio Dynamic range : 85 dB (Hi-Fi/SP)

: 70 to 10.000 Hz ±6 dB (Normal) Frequency response 20 to 20.000 Hz ±6 dB (Hi-Fi)

: Less than 0.008% wrms (Hi-Fi) Wow and flutter

ACCESSORIES : Remote control unit x 1

"R6" battery x 2 Remote control cable for remote control unit x 1

Switch cover x 1

Design and specifications subject to change without notice.

TABLE OF CONTENTS

O Tiala	P	age Sectio	n Title F	Page
Section Title	••••••••••••••••••••••••••••••••••••••	-	FLYING ERASE SCHEMATIC DIAGRAM AND	
Important Safety Precautions			CIRCUIT BOARD	4-23
INSTRUCTIONS		4.22	PRE/REC AMP SCHEMATIC DIAGRAM	4-24
		4.23	PRE/REC AMP CIRCUIT BOARD	4-25
1. DISASSEMBLY		4.24	AV IN/OUT SCHEMATIC DIAGRAM	4-26
1.1 EXTERNAL COVERS			AV IN/OUT CIRCUIT BOARD	4-2/
1.2 MAIN CIRCUIT BOARDS	1	-2 4.26	AUDIO SCHEMATIC DIAGRAM	4-20 4-20
			AUDIO CIRCUIT BOARD	4-30
	-17	4.28	TIMER CIRCUIT BOARD	4-31
2. MECHANISM ADJUSTME	IN I		DISPLAY SCHEMATIC DIAGRAM	4-32
2.1 GENERAL	2 2	1 4 31	DISPLAY CIRCUIT BOARD	4-33
2 1 1 Precautions	ment, fixtures and tools 2	1 4 32	OPERATION-1, 2 SCHEMATIC DIAGRAMS	4-34
2 . 1 . 2 Required test equipage 2 . 1 . 3 Layout of main part	ts 2	-2 4.33	OPERATION-1, 2 CIRCUIT BOARDS	4-35
2.1.4 Main parts relaceme	nt table 2	2 - 4 4 . 34	TERMINAL SCHEMATIC DIAGRAM	4-36
2.1.4 Main parts reacenie 2.2 MAIN ASSEMBLY REPLAC	CEMENT2		15 PIN TERMINAL SCHEMATIC DIAGRAM AND	
2.3 ASSEMBLY PROCEDURE	OF MECHANISM 2	2-8	CIRCUIT BOARD	4-37
2.4 CONFIRMATION AND AD	JUSTMENT 2	2-10 4.36	REMOTE CONTROL SCHEMATIC DIAGRAM	4-38
2 5 TAPE TRANSPORT CHECK	KS AND ADJUSTMENT			
PREPARATIONS		2-11		
2.6 INTERCHANGEABILITY	CHECKS AND	5.	EXPLODED VIEWS AND PARTS LIST	
ADJUSTMENTS		²⁻¹² 5.1	STANDARD PART NUMBER CODING	5 - 1
			5 . 1 . 1 Screw coding	5 - 1
O FI FOTDIOAL AD HISTM	IENTO	5.2	CABINET ASSEMBLY <m2></m2>	5-2
3. ELECTRICAL ADJUSTM 3.1 PREPARATION	IEN 13	5.3	CHASSIS ASSEMBLY <m3></m3>	5-3
3.1 PREPARATION	ment	5.4 3.1	MECHANISM ASSEMBLY (1) < M4 > MECHANISM ASSEMBLY (2) < M4 >	5 /
3 . 1 . 1 Required test equip	ent steps	3-1	PACKING ASSEMBLY <m1></m1>	5-6
3 . 1 . 2 Check and adjustme 3 . 1 . 3 Required test signal		3 - 1	PACKING ASSEMBLY CMIZ	3-0
3.1.4 Alignment tape spe	cifications	3 - 2		
3.1.4 Anglithent tape spe-		3.2 6	ELECTRICAL PARTS LIST	
3.1.5 Switches setting	CIRCUIT		STANDARD PART NUMBER CODING	6 - 2
3.3 TIMER CIRCUIT		3-3	6 . 1 . 1 Fixed resistor coding	6 - 2
3.4 SERVO CIRCUIT		3 - 4	6.1.2 Fixed capacitor coding	6 - 3
3.5 VIDEO CIRCUIT		3 - 5	6.1.3 Fuse coding	6 - 5
3.6 AUDIO CIRCUIT		3-10	ELECTRICAL PARTS	6-6
3.7 PRE/REC CIRCUIT	••••••		SWITCHING POWER SUPPLY BOARD ASSEMBLY	
			<01><02>	6 - 6
			MECHACON BOARD ASSEMBLY < 04 >	6 - 7
4. CHARTS AND DIAGRAI	MC		VIDEO BOARD ASSEMBLY <05>	6 - 8
4. CHARTS AND DIAGRAI	IONS	4 - 1	TERMINAL BOARD ASSEMBLY < 06 >	6-14
4.1 CIRCUIT BOARD LOCAT	AND PACKAGE		AUDIO BOARD ASSEMBLY <09>	6-14
CIRCUITS		4 - 2	AUDIO VIDEO IN/OUT BOARD ASSY <10>	6-16
4.3 ABBREVIATION USED IN	N THE SCHEMATIC		AUDIO CONTROL HEAD BOARD <12>	6-19
DIAGRAM		4 - 3	TIMER BOARD ASSEMBLY < 20 > OPERATION-1 BOARD ASSEMBLY < 22 >	6-20
4.4 OVERALL WIRING DIAG	RAM	4 - 5	OPERATION-1 BOARD ASSEMBLY <22>	6-20
4.5 SERVO BLOCK DIAGRAM	М	4-6	DISPLAY BOARD ASSEMBLY <27>	6-21
4.6 MECHACON BLOCK DIA	GRAM	4-7	PEREAT PLAY BOARD ASSEMBLY <28>	6-21
4.7 VIDEO BLOCK DIAGRAN	MIAGRAM	4-8	15 PIN TERMINAL BOARD ASSEMBLY <30>	6-22
	M		SERVO SUB BOARD ASSEMBLY < 39 >	
4.9 AUDIO BLOCK DIAGRAM 4.10 SWITCHING POWER SUP	DI V AND RECLUATOR	4-11	PRE/REC AMP BOARD ASSEMBLY <43>	6-23
SCHEMATIC DIAGRAMS		4-12	FLYING ERASE BOARD ASSEMBLY <46>	
4.11 SWITCHING POWER SUP	PLY AND REGULATOR		SERVO BOARD ASSEMBLY < 48>	
CIRCUIT BOARDS		4-13	DECK TERMINAL BOARD ASSEMBLY <51>	
4.12 MECHANISM CONTROL	SCHEMATIC DIAGRAM	4-14	RELAY BOARD ASSEMBLY <52 >	
4.13 DECK TERMINAL, CASS			PRE SAFETY BOARD ASSEMBLY <53>	
END SENSOR AND REC	SAFETY SCHEMATIC		END SENSOR BOARD ASSEMBLY <54>	6-27
		4-15	CASSETTE HOUSING BOARD <56>	0-27
4.14 DECK TERMINAL, CASS				
END SENSOR AND REC	SAFETY CIRCUIT	4.40		
BOARDS		4-16		
4.15 MECHANISM CONTROL		4 17		
4.16 SERVO AND SERVO SUE	S	4-1/ //.10		
4.16 SERVO AND SERVO SUE	ONADDAD TICUTATIONS	4-10		
4.17 SERVO AND SERVO SOL 4.18 VIDEO SCHEMATIC DIA	GRAM	4-20		
4.19 VIDEO CIRCUIT BOARD)	4-22		
4.20 REPEAT PLAY SCHEMA				
= =				

Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

Precautions during Servicing

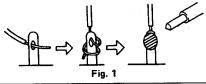
- Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.
- 2. Parts identified by the A symbol and shaded () parts are critical for safety.

Replace only with specified part numbers.

Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

- Fuse replacement caution notice.
 Caution for continued protection against fire hazard.
 Replace only with same type and rated fuse(s) as specified.
- 4. Use specified internal wiring. Note especially:
 - 1) Wires covered with PVC tubing
 - 2) Double insulated wires
 - 3) High voltage leads
- Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape
- 3) Spacers
- 5) Barrier

- 2) PVC tubing
- 4) Insulation sheets for transistors
- When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.



- Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)
- 8. Check that replaced wires do not contact sharp edged or pointed parts.
- When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

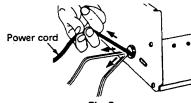


Fig. 2

- 10. Also check areas surrounding repaired locations.
- 11. Products using cathode ray tubes (CRTs)
 In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission.
 Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts.
 Under no circumstances attempt to modify these circuits.
 Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

- 12. Crimp type wire connector
 - In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.
 - 1) Connector part number : E03830-001
 - Required tool: Connector crimping tool of the proper type which will not damage insulated parts.
 - 3) Replacement procedure
 - (1) Remove the old connector by cutting the wires at a point close to the connector.

Important: Do not reuse a connector (discard it).



Fig. 3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.



(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

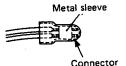


Fig. 5

(4) As shown in Fig. 6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.



Fig. 6

(5) Check the four points noted in Fig. 7.

Not easily pulled free Crimped at approx. center of metal sleeve

Wire insulation recessed more than 4 mm

Fig. 7

Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test

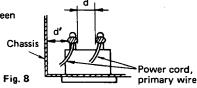
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.



4. Leakage current test

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

Measuring Method: (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

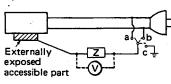


Fig. 9

5. Grounding (Class I model only)

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

Measuring Method:

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

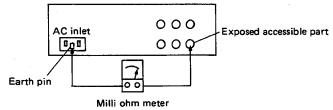


Fig. 10

Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≤ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	•	R≥1 MΩ/500 V DC	AC 1 kV 1 minute	d, d'≧ 3 mm
100 to 240 V	Japan	R≧ 10/12/500 V DC	AC 1.5 kV 1 minute	d, d' ≧ 4 mm
110 to 130 V	USA & Canada	- ,	AC 900 V 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R≧10 MΩ /500 V DC	AC 3 kV 1 minute (Class II) AC 1.5 kV 1 minute (Class I)	$d \ge 4 \text{ mm}$ $d' \ge 8 \text{ mm (Power cord)}$ $d' \ge 6 \text{ mm (Primary wire)}$

Table 1 Specifications for each region

AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c	
100 V	Japan	0—ΛΛΛ—0 1 kΩ	i ≦ 1 mA rms	Exposed accessible parts	
110 to 130 V	USA & Canada	0.15 μ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ	i ≦ 0.5 mA rms	Exposed accessible parts	
110 to 130 V 220 to 240 V	SO V Europe & Australia	ο—∕√√—ο 2 kΩ	$i \le 0.7 \text{ mA peak}$ $i \le 2 \text{ mA dc}$	Antenna earth terminals	
	Europe & Australia	ο— Λ√ —ο 50 kΩ	$i \le 0.7 \text{ mA peak}$ $i \le 2 \text{ mA dc}$	Other terminals	

Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

INSTRUCTIONS

JVC

BR-S600E

VIDEO CASSETTE RECORDER MAGNETOSCOPE A CASSETTE VIDEOKASSETTENRECORDER





Warning Notice FOR YOUR SAFETY (Australia)

- 1. Insert this plug only into effectively earthed three-pin power outlet.
- 2. If any doubt exists regarding the earthing, consult a qualified electrician.
- 3. Extension cord, if used, must be three-core correctly wired.

IMPORTANT (In the United Kingdom) Mains Supply (AC 240 V√) WARNING - THIS APPARATUS **MUST BE EARTHED**

The wires in this mains lead are coloured in accordance with the following code:

GREEN-and-YELLOW: BLUE:

BROWN:

NEUTRAL LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed at follows. The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the safety earth symbol + or coloured GREEN or GREEN-AND-YELLOW. The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or which is coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

This unit is produced to comply with Directives 76/889/ EEC, 82/499/EEC and 87/308/EEC.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

To prevent electric shock, do not open the cabinet. No user serviceable parts inside. Refer servicing to qualified service personnel.

Note: The rating plate and the safety caution are on the

CONTENTS

recautions
eatures
ontrols and Connectors
onnections
oading and Unloading a Video Cassette
VHS Recording and Playback
layback
pecial-Effects Playback
ecording
ndex Search Function
ealtime Go-To Function
ntro Search Function
ext-Function Memory
ounter Memory and Full Repeat/Video Repeat
lock Adjustment
utomatic Timer Playback
sert Editing
udio Dubbing
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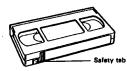
PRECAUTIONS

Handling and storage

- Avoid using the recorder under the following conditions: - extremely hot, cold or humid places,
- dusty places,
- near appliances generating strong magnetic fields,
- places subject to vibrations, and
- poorly ventilated places.
- Be careful of moisture condensation.
 - Avoid using the recorder immediately after moving it from a cold place to a warm place or soon after heating a room which was cold. The water vapour in warm air will condense on the still-cold video head drum and tape guides and may cause damage to the tape and the recorder.
- · Handle the recorder carefully.
 - Do not block the ventilation openings.
- . Do not place anything heavy on the recorder.
- Do not place anything which might spill and cause trouble on the top cover of the recorder.
- · Use in horizontal (flat) position only.
- In case of transportation,
- Avoid violent shocks to the recorder during packing and transportation.
- Before packing, be sure to remove the cassette from the recorder.

Video cassettes

- This recorder employs S-VHS and VHS cassettes only.
- S-VHS: SE-180 for 180 minutes, SE-120 for 120 minutes and SE-60 for 60 minutes of recording.
- VHS: E-240 for 240 minutes, E-180 for 180 minutes, E-120 for 120 minutes, E-90 for 90 minutes, E-60 for 60 minutes and E-30 for 30 minutes of recording.
- Video cassettes are equipped with a safety tab to prevent accidental erasure. When the tab is removed, recording cannot be performed. If you wish to record on a cassette whose tab has already been removed, use adhesive tape to block the hole.



- Avoid exposing the cassettes to direct sunlight. Keep them away from heaters.
- Avoid extreme humidity, violent vibrations or shocks, strong magnetic fields (near a motor, transformer or magnet) and dusty places.
- Place the cassettes in cassette cases and position vertically.

The previous SVHS logo mark has been changed to SVHS. Regardless of this change in the official logo the S-VHS system represented by either logo, new or old remanins completely identical, and therefore products carrying either logo can be used interchangeably.

FEATURES

High-quality pictures

- Super VHS recording and playback circuitry ensuring superquality picture with a horizontal resolution of more than 400 lines.
- Separated Y/C signal inputs and outputs for higher quality dubbing and playback of Super VHS signals.
- HQ (High Quality) System circuits (Detail Enhancer, Luminance Signal Noise Reduction, and 20% higher white clip level) to ensure the best possible pictures in the regular VHS mode.
- Super DA-4 head system for superlative picture quality in SP (Standard Play) recording/playback and LP (Long Play) playback.
- Flying erase head and insert editing circuit for professionalclass insert edits.
- Edit switch for best possible dubs.

High-quality sound

- Conforms to the Hi-Fi VHS standard for superlative stereo sound with a dynamic range of more than 85 dB.
- Advanced switching noise reduction circuit.
- · Hi-Fi recording level controls with ALC switch.
- Peak-hold audio level indicators/Hi-Fi tracking meter.
- Audio dubbing facility.
- Headphone jack with output level control.

Special-effects playback

- Noiseless stills and frame advance.
- Variable-speed slow motion at 1/6, 1/12, 1/18, 1/24 and 1/30 normal speed.
- Variable-speed search at 3, 5, and 9 times normal speed in both directions.
- Double-speed forward playback and normal-speed reverse playback.

Playback features

- Timer playback using a 1-Year/8-event timer.
- Full repeat and video-end repeat.

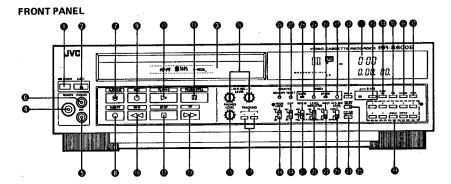
Tape access features

- VHS Index Search System which automatically places index codes at the beginning of any recording, with mark/ erase facilities for manual marking of extra index codes during recording and playback, and manual erasing of unnecessary index codes during playback.
- Automatic location of up to 9 coded programmes by remote-specifying the number of index codes to be skipped.
 A specified code can be detected in the Shuttle Search; or the faster REW and FF modes for automatic playback;
- Intro search to play back the beginning of each indexed programme for about 5 seconds in fast-motion.
- Realtime go-to function for locating a point on tape a specified time away from the beginning.
- Realtime search function for locating a point on tape a specified time away from the current position in either direction
- Half-loading mechanism for quick tape access: Index and Intro Search, and Realtime Go-to and Search can all be carried out in the REW and FF modes as well as in the Shuttle Search mode.
- Counter memory function for returning to a designated point on tape.
- Shuttle Search with lock function at 9 times normal speed.

Other value features

- Mode lock system.
- Realtime tape counter showing tape time in hours, minutes and seconds by counting the recorded 25-Hz control signal oulses.
- Automatic functions including Auto Play and Next-Function Memory.
- Automatic backspace editing with Zero Frame Editing system.
- · Remaining tape time indicator.
- On-screen record-pause mode display which signals elapsed pause time.
- Electronic tracking controls.

CONTROLS AND CONNECTORS



POWER button with LED indicator

Press to apply power to the BR-S600E. The indicator will light, Loading a cassette also turns the power on.

@ EJECT button

Press to eject the cassette. This button can be pressed in any mode except Rec, Audio dub, Insert and Timer Standby. The Cassette indicator on the FDP (fluorescent display) will flash during automatic unloading of the cassette and then go out upon completion of ejection.

Cassette loading slot

Insert a VHS or S-VHS cassette. The door will close and the indicator showing that a cassette is inside will appear on the FDP.

Remote control terminal (RCA)

The provided remote control unit can be connected to this terminal.

6 Microphone jack (3.5φ)

Connect a microphone having an high impedance and a 3.5-mm connector.

(3.5¢) Phones jack (3.5¢)

Connect a set of headphones having an impedance of 8 ohms and a 3.5-mm connector. The signal selected with the AUD OUT SELECT and Hi-Fi AUD MONITOR switches can be heard.

@ AUDIO DUBBING button

Press while in the Still mode then press the PLAY/X2 button • to start audio dubbing. (See page 17.)

® INSERT button

Press while in the Still mode, then press the PLAY/X2 button • to start insert editing. (See page 17.)

REC button

Press for normal recording.

Rewind button (REW)

Press to rewind the tape inside the cassette. While the tape is being rewound, the REW indicator will light. This button can be pressed in any mode except Record, Eject, Insert, A. Dub, or Timer Standby. To release the Rewind mode, press the PLAY/X2 STOP or FF button, depending on the mode you want to select next. Pressing this button in the Play or Still mode enables high-speed playback at about 9 times normal in the reverse direction. During search the REW indicator will remain lit.

If the PLAY/X2 button is pressed within 2 seconds after the REW button has been pressed, the tape rewinds to the counter reading of "OHOOMOOS" or the beginning of the

tape depending on whether the MEMORY switch is set to MEMORY or OFF (during rewind the PLAY indicator is blinking) and playback starts automatically.

PLAY/X2 button

Press once to play back a tape; press again for double-speed playback. To return to normal playback, press it again. Also press this button to cancel the Pause/Still or Search modes. (See pages 9 and 10.)

STOP button

To stop the tape. When the STOP button is pressed, the tape is unloaded and then the Stop mode is engaged.

PAUSE/STILL button

Press to temporarily stop the tape to avoid recording unwanted material or to view a still picture. The picture advances each time this button is pressed.

♠ Fast Forward button (FF)

Press to fast forward the tape inside the cassette. While the tape is being fast forwarded, the FF indicator will light. This button can be pressed in any mode except Record, Insert, A.Dub or Timer Standby. To release the Fast Forward mode, press the PLAY/X2, STOP or REW button, depending on the mode you want to select next. Pressing this button in the Play or Still mode enables high-speed playback at about 9 times normal in the forward direction. During search the FF indicator will remain lit.

If the PLAY/X2 button is pressed within 2 seconds after the FF button has been pressed, the tape fast-forwards to the counter reading of "0H00M00s" when the MEMORY switch is set to MEMORY (during fast-forward the PLAY indicator is blinking) and playback starts automatically.

PHONES LEVEL control

Adjusts the level of the audio output from the headphone lack.

♠ Hi-Fi LEFT/RIGHT REC LEVEL controls

When the Hi-Fi REC LEVEL switch is set to MANUAL, to adjust the left/right channel Hi-Fi audio recording level, turn these controls so that the audio level indicators in the display section light to "0" with the loudest signal.

TRACKING buttons

If noise bars are seen during playback, use these buttons to reduce them. The tracking is reset to normal when both buttons are pressed together, a cassette is ejected, or the power cord is unplugged. These TRACKING buttons can also be used to adjust hi-fi tracking, referring to the hi-fi tracking meter.

MODE LOCK switch

ON: In the lock mode, the tape control buttons (including REC, PLAY, FF, REW, STOP and PAUSE/ STILL), the POWER, EJECT switches and tracking buttons cannot be used.

OFF: The lock mode is not engaged.

B EDIT switch

Normally set to OFF. For making multi-generation dubs using this recorder as a player, set the switch to ON. Picture deterioration due to dubbing will be minimized.

@ REPEAT mode select switch

Repeat is possible when the MEMORY switch is set to OFF. (Not effective in the Timer Standby mode.)

OFF: No automatic operation.

FULL REPEAT: The tape will be automatically rewound

: The tape will be automatically rewound to the beginning (as usual) and played back repeatedly. The entire tape can be played back again and again automatical-

VIDEO:

The tape will be automatically rewound to the beginning and played back repeatedly to the end of the video signal.

D LEVEL INDICATOR select switch

Selects the function of the audio level indicators/Hi-Fi tracking meter.

ON: Set to this position to activate the audio level indicators on the FDP. The indicators show the audio level of the soundtrack selected with the AUD OUT SELECT switch

One of the selected with the AUD OUT SELECT switch

OFF: No meter operation.

Hi-Fi TRACKING: Set to this position for checking Hi-Fi audio tracking.

M INPUT select switch

This switch selects the video input available from the VIDEO IN Y/C 443 connector and the VIDEO IN LINE connector on the rear panel.

Y/C 443: Set to this position when recording separated Y/C signals applied to the Y/C 443 connector.

LINE: Set to this position when recording the composite video signal applied to the VIDEO IN LINE connector.

Hi-Fi REC LEVEL select switch

AUTO: Set to this position to activate the automatic level control (ALC) circuit for Hi-Fi audio.

MANUAL: Set to this position to use the Hi-Fi REC LEVEL controls for manual control.

THE HI-FI AUD MONITOR select switch

Press to select the Hi-Fi audio output. Each time the button is pressed, the Hi-Fi soundtrack to be heard changes (L/R Hi-Fi, Hi-Fi-L or Hi-Fi-R) and is indicated by the audio monitor indicators on the FDP.

AUD OUT SELECT switch

Press to select the audio output. Each time the button is pressed, the soundtrack to be heard changes (Hi-Fi, normal or mixed playback) and is indicated by the audio monitor indicators on the FDP.

@ COUNTER MEMORY button

When this button is pressed to ON; M will appear on the FDP and the tape will stop automatically at the counter reading of about "OHOOMOOS" in the Rewind or Fast Forward mode.

@ COUNTER RESET button

Press to reset the tape counter reading to "OHOOMOOS".

MINDEX MARK indicator

Blinks when an index code is being recorded.

@ INDEX MARK button

Press during playback or recording to put an index code onto the tape, (See page 11.)

MINDEX ERASE indicator

Lights in the Erase mode, and blinks when an index code is actually being erased.

1 INDEX ERASE button

Press during playback to erase an index code. (See page 11.)

@ DISPLAY button

Press to change the display from the Timer Set mode to the Clock mode. Normally set a realtime tape counter, remaining tape time (REMAIN) and date (DATÉ) display.

S-VHS mode select button

This button switches between the S-VHS and VHS recording modes. When the S-VHS mode is selected, the S-VHS indicator on the left lights. S-VHS recordings are possible only when S-VHS cassettes are used in the S-VHS recording mode.

- CLOCK ADJUST button
 Press to adjust the clock.
- PROGRAM button

Press to programme the timer.

- @ CANCEL button
- Use to clear programme data in the Timer Set mode.
- @ Timer

Press to engage the Timer Standby mode.

@ Multi-purpose numeric keys

Clock setting

Timer programming

Realtime GO-TO & Search

Index Search

P Fluorescent display panel (FDP)

Symbolic mode indicators "Cassette loaded" indicator Index number display Recording Switchable display Clock Timer start time **88.88.88.88.88** Audio monitor indicators Switchable display Audio level indicators/ Timer stop time · Realtime tape counter Hi-Fi tracking meter Go-To entry in "time"

Tage remaining time

REAR PANEL

AC input socket (AC IN)

Connect to a 220-240 V 50/60 Hz power outlet.

V. LOCK control

When operating in the Still mode, turn this control to eliminate vertical vibrations of the picture, if observed.

VIDEO OUT LINE connector

Output connector for the composite video signal.

VIDEO OUT Y/C443 connector

Output connector for the Y/C443 video signal.

AUDIO OUT connectors

Output connectors for the AUDIO-1/L and AUDIO-2/R

audio signals.

VIDEO IN Y/C443 connector
Input connector for the Y/C44

audio signals.

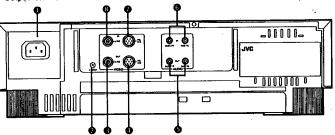
AUDIO IN connectors

Input connector for the Y/C443 video signal. Functions when the front panel INPUT select switch is set to Y/C443.

O VIDEO IN LINE connector

Input connector for the composite video signal. Functions when the front panel INPUT select switch is set to LINE.

Input connectors for the AUDIO-1/L and AUDIO-2/R



Remote Control Unit

This is a wired remote control unit, and cannot be used unless properly connected to the BR-S600E.

Numeric keys

These keys can be used in conjunction with the Realtime Go-To and Index Search functions.

- @ GO-TO button
- Press to engage the Realtime Go-To mode. (See page 12.)
- INDEX button
 Press to engage the Index Search mode, (See page 11.)

INTRO button

Press to engage the Intro Search mode. (See page 13.)

Rewind button (REW)

Press to rewind the tape inside the cassette. While the tape is being rewound, the REW indicator will light. This button can be pressed in any mode except Record, Eject, Insert, A.Dub or Timer Standby. To release the Rewind mode, press the PLAY/X2 STOP or FF button, depending on the mode you want to select next. Pressing this button in the Play or Still mode enables high-speed playback at about 9 times normal in the reverse direction. During search the REW indicator will remain lit.

If the PLAY/X2 button is pressed within 2 seconds after the REW button has been pressed, the tape rewinds to the counter reading of "0H00M00s" or the beginning of the tape depending on whether the MEMORY switch is set to MEMORY or OFF (during rewind the PLAY indicator is blinking) and playback starts automatically.

Tast Forward button (FF)

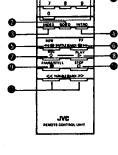
Press to fast forward the tape inside the cassette. While the tape is being fast forwarded, the FF indicator will light. This button can be pressed in any mode except Record, Timer Standby, Insert, A.Dub or Eject. To release the Fast Forward mode, press the PLAY/X2, STOP or REW button, depending on the mode you want to select next. Pressing this button in the Play or Still mode enables high-speed playback at about 9 times normal in the forward direction. During search the FF indicator will remain lit.

If the PLAY/X2 button is pressed within 2 seconds after the FF button has been pressed, the tape fast-forwards to the counter reading of "0H00M00s" (during fast-forward the -6-

Installing the batteries

 Insert two "R6"-size batteries (provided) into the battery compartment on the rear of the remote control unit, observing the correct polarity.





PLAY indicator blinks) and playback starts automatically.

• REC button

Press together with the PLAY/X2 button to start recording. 3 PLAY/X2 button

Press once to play back a tape; press again for double-speed playback. To return to normal playback, press it again. Also press this button to cancel the Pause/Still, or Search modes. (See page 10.)

A PAUSE/STILL button

Press to temporarily stop the tape to avoid recording unwanted material or to view a still picture. The picture advances each time this button is pressed.

STOP button

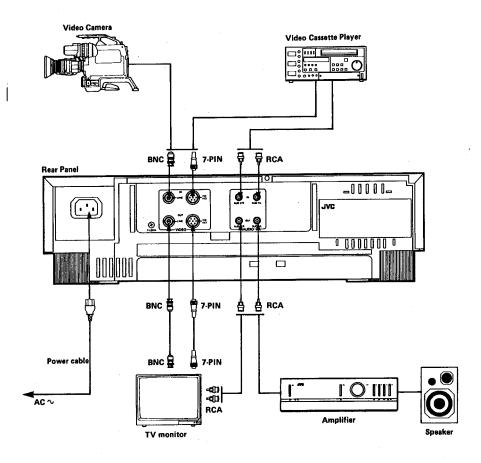
To stop the tape. When the STOP button is pressed, the tape is unloaded and then the Stop mode is engaged.

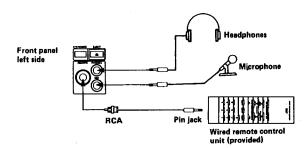
● VARIABLE SEARCH ≪ />> buttons

Use these buttons to control the search speed. Both slow-motion and fast-motion search are available. The slow-motion speed can be changed in 5 steps; 1/6, 1/12, 1/18, 1/24, and 1/30 of normal speed in the forward direction. For fast-motion search, available speeds are x3, x5, and x9 in both directions and x2 in the forward direction. No audio is available in the Variable Search mode. To cancel the Variable Search mode, press the PLAY/X2, STOP, FF or REW button. (See page 10.) When the FF or Rew button is pressed, the shuttle search mode is entered in the corresponding direction.

-6-

CONNECTIONS





LOADING AND UNLOADING A VIDEO CASSETTE

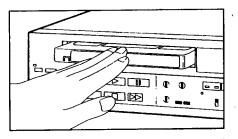
Loading

Insert a cassette as illustrated with its labelled side facing you.

• With a cassette inserted, the mark to indicate "cassette inserted" appears on the FDP.

Jaloading

Press the EJECT button. The cassette will be ejected.



Motorized loading system

 The cassette can be loaded even when the power has not been turned on. Inserting a cassette into the loading slot turns the power on automatically.

- The cassette can be unloaded even when the power has been turned off. If a cassette is inside, pressing the EJECT button turns the power on automatically and, after ejection of the cassette, shuts it off automatically.
- Inserting a cassette, with its safety tab removed, turns the recorder on and playback of the cassette begins automatically.

Notes:

- Be sure to insert the cassette firmly into the slot; otherwise, it will be automatically rejected.
- The automatic loading mechanism will operate only when the cassette is inserted correctly.

Caution

- If unloading of a cassette is not possible, check to see whether the TIMER indicator is lit. If iris, press the TIMER button so the TIMER indicator goes out.
- Do not attempt to pull out the cassette once automatic loading has started.

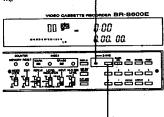
WARNING

 Do not insert fingers or any foreign object beyond the door flap of the cassette loading slot, as this could lead to injury or damage to the mechanism. Show special caution with children.

S-VHS RECORDING AND PLAYBACK

S-VHS Recording

Insert an S-VHS cassette. This indicator will light automatically, and S-VHS recording will be performed with this indicator lit.



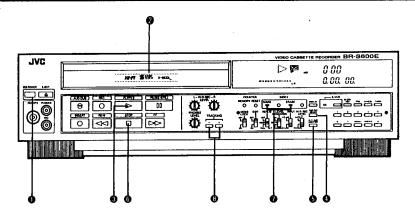
To make a VHS recording on an S-VHS cassette, press this button to enter the VHS mode. The indicator will go out. To return to the S-VHS mode, press this button again.

S-VHS Playback

Insert a recorded S-VHS cassette. This indicator will light automatically, and if the recorded signal is S-VHS, playback will be performed with this indicator lit.

VIDEO CASSETTE REC	MDER BR-8600E
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	ioa oa

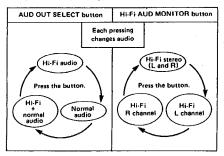
PLAYBACK



- Press the POWER button on.
- 2 Insert a pre-recorded cassette into the cassette loading slot.
- When the cassette loaded has no safety tab, playback starts automatically.

To select the soundtrack to be heard

By pressing the AUD OUT SELECT (a) and Hi-Fi AUD MONITOR (a) buttons, the audio output changes as shown below.



- Press the PLAY/X2 button. The tape will start running and the playback picture will appear on the monitor screen.
- 1 Determine AUDIO OUT setting as required. See below.
- @ Press the STOP button to stop playback.

Note:

Noise bars may appear on the screen if you play back a tape which was recorded using another VTR. In such cases, adjust the TRACKING controls, Press one of the buttons to correct the picture referring to both the monitored picture and the Hi-Fi tracking meter. Optimum tracking is obtained when the largest number of LEDs light. After playback, tracking may be reset manually by pressing both buttons simultaneously. It is reset automatically when the tape is ejected, the Record mode engaged or the power cord unplugged.

SPECIAL-EFFECTS PLAYBACK

AND THE REPORT OF THE REPORT O

When the REW or FF button is pressed in the Stop mode, normal rewind or fast forward takes place. When these buttons are pressed in the Play, or Still mode, the tape runs at about 9 times normal speed in the corresponding direction. The buttons can be locked and the indicator lights. You can follow

the speeded-up picture on the monitor screen

 For briefer scanning, keep the SHUTTLE SEARCH button pressed for more than 2 seconds; when you release the button, the Search mode will be cancelled.

FRAME ADVANCE

- Press the PAUSE/STILL button in the Play mode, the tape will stop and a still picture will be obtained.
- To advance the still picture, press again.
- To return to the normal Play mode, press the PLAY/X2 button,

Note:

 When the STILL mode continues for longer than about 5 minutes, the STOP mode will be entered automatically.

DOUBLE-SPEED PLAYBACK

- Press the PLAY/X2 button in the Play mode, double-speed playback will be engaged.
- To resume normal playback, press the same button again.

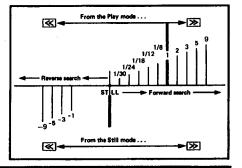
VARIABLE SEARCH (≪ and ≫)

Using the remote control, variable speed search is possible in either forward or reverse direction from either the Still or Play mode.

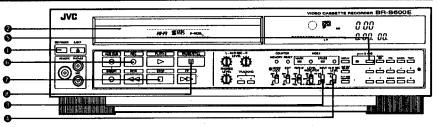
- To search in the forward direction:
- Press the ≫ button in the Play mode to start fastmotion searching from 2 times normal speed. To increase speed (to 3, 5, 9 times normal), press ≫ repeatedly.
- Press the ≫ button in the Still mode to start slow-motion searching from 1/30 normal speed. To increase speed (to 1/24, 1/18, 1/12, 1/6, normal, X2, X3, X5, X9), press ≫ repeatedly. To decrease speed, press ≪

repeatedly. (Pressing the ≪ button in the Play mode, starts slow-motion searching at 1/6 normal speed.)

- To search in the reverse direction:
 - Press the
 ✓ button in the Still mode to start searching in the reverse direction at the same speed as normal speed playback. To increase speed (to -3, -5, -9 times normal), press
 ✓ repeatedly. To decrease speed, press
 ➤ repeatedly.
- To return to the normal Play mode, press the PLAY/X2 button.



RECORDING



- Press the POWER button to ON.
- Insert a video cassette into the cassette loading slot.
- Set the INPUT select switch as required.
- Set the Hi-Fi REC LEVEL switch as required. (See pages 4 and 5.)
- Set the S-VHS select button.
- Press the REC button to ON. The Record mode will be engaged and the REC button lamp will light. Make sure the - 10 -

LED indicator lights.

(When using the provided remote control unit, press the REC and PLAY/X2 buttons simultaneously)

Press the STOP button to stop recording.

RECORD PAUSE

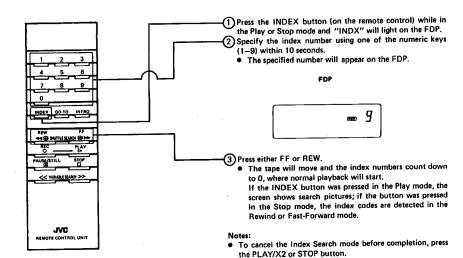
- Press the PAUSE/STILL button to ON.
- To restart recording, press the PLAY/X2 button.
- When the PAUSE mode continues for longer than about 5 minutes, the STOP mode will be entered automatically.

-- 9 --

INDEX SEARCH FUNCTION

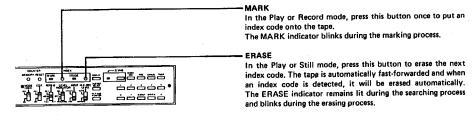
The Index Search function gives you automatic access to the beginning of individual recordings on the cassette tape. An Index Code is automatically placed on the tape control track each time a recording is begun. You can access any one of up to 9 of these indexed segments in either the forward or reverse direction.

USING THE INDEX SEARCH FUNCTION



CHANGING THE INDEX CODES

Index codes are automatically placed at the beginning of recordings which are started from the Stop mode. You can use the MARK button to add extra codes, and the ERASE button to erase codes. In neither case is there any effect on the audio or video recordings on the tape.



Notes:

• Index codes cannot be added to or erased from a tape with its safety tab removed.

• If the end of the tape is reached while still in the Index

Search mode, the mode is cancelled and the tape rewound.

- While the index code is being searched for in the Erase mode, random noise appears on the screen as the tape runs at high speed. This is not due to any defect of the unit.
- The Erase mode is cancelled either after one index code has been erased or the Play mode is cancelled.

REALTIME GO-TO FUNCTION

Unlike usual tape counters which show tape locations in numbers, this realtime tape counter shows tape time precisely in hours, minutes and seconds in all modes (Record, Play, Rewind, Fast Forward).

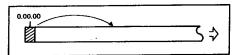
Time Go-To function

The Time Go-To function gives you direct access to any point on the tape by simply specifying the time from the beginning.

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Before using this function, set the REPEAT switch to

Press the GO-TO button while in the Play, Stop or Still mode

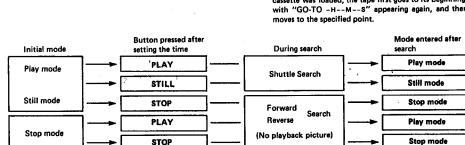
- The counter on the FDP will change to the Go-To mode
- "GO-TO -H--M--s" will appear if the recorder did not detect the leader tape when the cassette was loaded.
- GO-TO 0H02M32s" (for example) will appear if the recorder has already detected the leader tape, to show the current tape counter reading in terms of the time from the tape's beginning.

(2) Specify the time to the point to be located, by using the numeric keys.

• Always key in a full number.

Press the PLAY/X2 or STOP button (or the PAUSE/ STILL button, if either the Play or Still mode is already engaged).

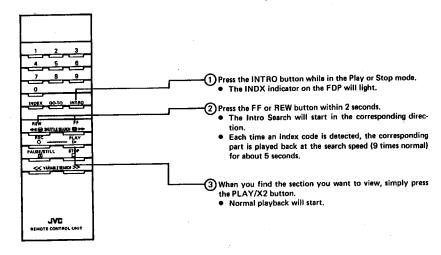
- Depending on the situation, search will take place either in the Shuttle Search mode or in the Rewind or Fast Forward mode which is much faster than the Shuttle Search mode. After the specified point is reached, playback starts automatically, the tape stops automatically or enters the Still mode, depending on the command.
- If the recorder did not detect the leader tape when the cassette was loaded, the tape first goes to its beginning, with "GO-TO -H--M--S" appearing again, and then moves to the specified point.



- · Each step in the operation procedure must be followed by the next within 60 seconds, otherwise the Go-To mode will
- If the specified time exceeds the tape length, the tape fast forwards to the end and then rewinds to the beginning and
- If the GO-TO button has been pressed in the Play or Still mode, a still picture can be obtained when the specified
- point is reached, if you press the PAUSE/STILL button instead of the PLAY/X2 or STOP button after keying in the
- Use of other control buttons, while in the Time Go-To mode, cancels the mode.

INTRO SEARCH FUNCTION

The Intro Search function lets you visually check the contents of each recording by playing back in fast motion a short segment of a program each time an index code is detected.



NEXT-FUNCTION MEMORY

Before using these functions, set the REPEAT switch to OFF.

Memory Play function

 If you want to watch the tape from its beginning after rewinding, press the REW button and the PLAY/X2 within 2 seconds. Playback will start automatically at the beginning of the tape, when the MEMORY button is set to OFF.

If you want to watch the tape from the counter reading of "OH ODM OOS", press the MEMORY button. Then, press the REW (or FF) button and then PLAY/X2.

 While the tape is being rewound, the PLAY indicator is blinking. To cancel the Memory Play mode and go to another mode, press the corresponding button (STOP, PLAY/X2, FF, REW, EJECT). Or turn the power off.

Note:

Successive pressing PLAY/X2 may cause malfunctioning.
 If this happens, make sure of the indication and reperform the operation.

Memory Eject/Power-Off/Timer Standby

If you are going to eject the cassette, turn the power off or

engage the Timer Standby mode after rewinding the tape, you don't have to wait for completion of rewind to press the corresponding button.

- To eject the cassette after rewind, press REW and then EJECT within 2 seconds. (To cancel the Memory Eject mode, press the STOP, EJECT or PLAY button, or turn the power off.)
- To turn the power off after rewind, press REW and then POWER within 2 seconds. (To cancel the Memory Poweroff mode, press POWER.)
- To engage the Timer Standby mode after rewind, press REW and then TIMER within 2 seconds. (To cancel the Memory Timer Standby mode, press TIMER.)

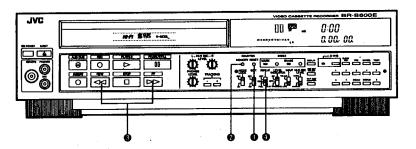
Notes:

- When the Timer Standby mode is specified, the tape is rewound always to the beginning regardless of the setting of the MEMORY button.
- When the Next-Function Memory mode is cancelled, make sure of that with the relevant indication on the FDP.

PLAY/X2 Memory Play REW/FF Play mode EJECT Blinking Memory Eject REW Cassette eiected Memory Power-off REW **POWER** Memory Timer Standby REW TIMER TIMER Timer standby mode within 2 seconds

- 13 -

COUNTER MEMORY AND FULL REPEAT/VIDEO REPEAT



You can use the counter memory function to automatically locate and stop at the beginning of any one program or segment on the tape from the Fast Forward or Rewind mode.

- Press the COUNTER RESET button at a point which you wish to locate later. Count indicator will show "OH 00M 00S" on the FDP.
- To locate the desired tape segment, press the MEMORY button.
- Press FF or REW button in the Stop mode when the tape is in any position. The tape will return to the point where the COUNTER RESET button was pressed ("0H00M00s") and will stop automatically.

When the entire tape, from the beginning to the end, is to be repeated, proceed as follows:

- 1. Set the REPEAT switch to FULL.
- 2. Disengage the Counter Memory mode.

- 3. Press the PLAY/X2 button to start playback.
- When the tape reaches its end, it is rewound to the beginning and then played back again automatically.
 The procedure is repeated as many times as desired.

When the tape reaches its end in the Play or Record mode, it is automatically rewound to the beginning and then the Stop mode is engaged.

- When the MEMORY button is pressed, the tape automatically stops at the counter reading of "0H00M00s".
- When the Timer Playback mode is engaged, the tape is played back repeatedly in the Full Repeat mode until the preset time expires, even if the MEMORY button is pressed.
- 1 When the tape reaches the end of prerecorded signals in the Play mode, it is automatically rewound to the beginning and then played back again.

For repeat playback, proceed as follows.

- 1. Set the REPEAT switch to VIDEO:
- 2. Disengage the Counter Memory mode. (Otherwise the tape will stop at "OH00M00S" during rewind.)
- 3. Press the PLAY/X2 button to start playback.

Note:

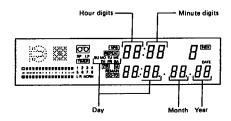
This function does not work when there is a blank section of more than 8 seconds at the beginning of the tape.

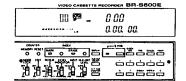
CLOCK ADJUSTMENT

- 1 Press CLOCK ADJUST.
- The display will change to the Clock Set mode with the hour indication blinking.
- 2 Set the hour and minute in that order.
- . The blinking position is ready for entry.
- To set a one-digit number, first press "0", then press the numeric key for 1 to 9.
- Zero will not be displayed in the tens place of the hour indication unless the cursor is moved back to the hour
- For a two-digit number, simply press the corresponding numeric keys in the right order.
- In hour setting, numbers larger than 23 will be rejected.
- In minute setting, numbers larger than 59 will be rejected.
- 3 Set the day and month in that order.
- The setting method is the same as for time setting.
- In day setting, invalid numbers such as January 32 or February 30 will be rejected.
- February 29 will be accepted only during leap years.
- In month setting, numbers larger than 12 will be rejected.
- 4 Set the year.
- Key in only the last two digits of the year.
- 5 Press CLOCK ADJUST.
- Press it at the exact instant of the time signal, and the clock will be set accurately to the present time.
- The day-of-the-week indication will be displayed automatically.

Notes:

- Clock setting is not possible if the TIMER button is engaged with the TIMER indicator lit. First check to see that the TIMER indicator is off.
- If you have mode a mistake in entering the clock data, press the CLOCK ADJUST button and re-do the setting operation.



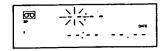


Power failure indicator

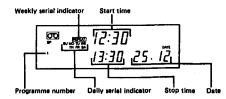
The blinking 0:00 (initial condition of the display) is also a power failure indicator, showing that there has been a power failure exceeding about 3 to 5 minutes. Readjusting the time restores the normal condition of the clock display.

AUTOMATIC TIMER PLAYBACK

- 1 Press PROGRAM .
- The display will change to the Timer Set mode for programme number "1". To advance to programme numbers 2 8, press PROGRAM.



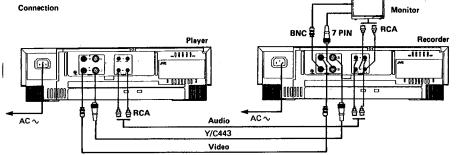
- 2 Enter the start time using numeric keys .
 - Invalid numbers will be rejected.
 - To key in a one-digit number of hours or minutes, first press [0]. Then press the relevant numeric key.
- 3 When the display changes to the next stage, key in the stop time and date in succession using numeric keys.
 - To start playback at the same time everyday starting on a certain day, press [8] and enter the date.
- To start playback at the same time on the same day every week, press 3 and enter the date.



- 4 After making sure that the cassette is loaded, press TIMER.
- The Timer Playback Standby mode will be engaged with the TIMER indicator and the preset programme number(s) illuminated and the power turned off.
- With no cassette loaded, the TIMER and "cassette loaded" indicators will continue blinking.
- If a preset programme contains errors, that programme number will not be illuminated. Recheck the programmed data.
- During programming, if you press a wrong key and the flashing position has advanced, press the CANCEL key to return to the start of this programme to correct it.

INSERT EDITING

Insert editing means recording a new scene into a section of pre-recorded tape so that a part of the original recording can be replaced with a new sequence without excessive picture distortion at edit-in and edit-out points. Thanks to the flying erase head, clean edits can be obtained. New video and Hi-Fi audio signals to be inserted can come from another video cassette recorder.



Procedure (for BR-S600E as the recorder)

- 1 Insert a pre-recorded cassette into the cassette loading slot
- 2 Set the INPUT select switch as required.
- 3 Set the S-VHS button as required.
- 4 Set the Hi-Fi audio recording level, if the Hi-Fi REC select switch is set to MANUAL.
- 5 Play back the tape to determine the edit-out point (the end of the tape section to be replaced).
- 6 Press the PAUSE/STILL button at the edit-out point.
- 7 Press the COUNTER RESET button.
- The counter will be reset to "OH 00M 00S".
- 8 Press the REW button to determine the edit-in point (the beginning of the tape section to be replaced).
- 9 Press the PAUSE/STILL button at the edit-in point.

10 Press the INSERT button.

- This engages the Insert Standby mode in which the input signal can be monitored on the TV screen: the still picture changes into the input signal that you are going to record.
- The input sound signal can also be monitored.
- 11 Play back the tape programme to be inserted on another recorder.

12 Press the PLAY/X2 button to start insert editing.

- · Now video and Hi-Fi audio signals will be recorded simultaneously
- At the counter reading of "OH 00M 00s", recording will

stop automatically.

· The tape will continue running in the Play mode.

Notes:

- Do not use the STOP button to stop insert editing.
- If you wish to stop insert editing before the specified editout point is reached, press the COUNTER RESET button. Then the Play mode will be entered.
- Insert editing is also possible without determining the editout point. Simply start insert editing at the edit-in point and, where you wish to stop insert editing, press the PAUSE/STILL button. Since this VTR incorporates a flying erase head, even this simplified procedure makes clean edits, though there may be a slight discrepancy between the actual and intended edit points if insert editing stops with the PAUSE/STILL button.
- If there is a non-recorded section on the tape, the Insert Edit mode will be cancelled automatically and the Play mode will be engaged.
- Insert editing is not possible with non-recorded cassettes or cassettes whose safety tab has been removed.

AUDIO DUBBING

Audio dubbing means recording a new soundtrack on a pre-recorded tape. In other words, the previously recorded sound is erased and replaced with a new soundtrack. Audio dubbing is applicable only to the longitudinal audio track (normal audio). Therefore, a dubbed narration can be heard together with the original hi-fi sound.

- Load a pre-recorded cassette into the cassette loading slot.
- 2 Connect a microphone or an audio source to the MIC jack or the AUDIO IN connectors respectively.
- With both microphone and audio source connected, mixed sound is recorded.
- 3 Press the PLAY/X2 button to start playback and then press the REW or FF button to search for the point from which

- you wish to start audio dubbing.
- 4 Press the PAUSE/STILL button at the start point of audio dubbing.
- 5 Press the AUDIO DUB button.
- 6 Press the PLAY/X2 button.
- Audio dubbing will start.

- It is recommended that you use a lower-impedance micro-
- If a stereo source is connected to the AUDIO IN connectors, the mixed L and R sound is recorded.
- When the safety tab has been removed, audio dubbing cannot be performed.

SPECIFICATIONS

GENERAL

: VHS · S-VHS standard Format

Tape width : 12.65 mm (1/2 inch) : 23.39 mm/s (SP) Tape speed

Recording & Playback

: 180 min. with JVC SE-180 or

E-180 (SP)

360 min. with JVC SE-180 or E-180 (LP) (Playback only)

: 5°C to 40°C Operating temperature

: Less than 80% R.H. Operating humidity : -20°C to 60°C Storage temperature

: 30 watts Power consumption

: AC 220-240 V ~ 50/60 Hz Power requirement : 435 mm(W) x 124 mm(H) x 370 Dimensions

mm(D) (Excluding protrusions)

Weight : 7.5 kg

Fast forward/Rewind time

: Within 4,0 min. for 180 min. tape

VIDEO

Recording and Playback system

: Rotary four head, herical scanning

system

Luminance: FM recording Colour: Down converted direct

recording

Video signal system : PAL-type colour signal/PAL-type Y/C signal

: 0.5 ~ 2.0 Vp-p, 75 ohms,

line video unbalanced

: Y: 0.8 ~ 1.2 Vp-p, 75 ohms,

unbalanced

C: 0.2 ~ 0.4 Vp-p, 75 ohms,

unbalanced (Burst)

: 1.0 Vp-p, 75 ohms, unbalanced : Y: 1.0 Vp-p, 75 ohms, unbalanced

C: 0.3 Vp-p, 75 ohms, unbalanced

(Burst) : 43 dB

Signal-to-noise ratio

Output

Y/C443

line video

Y/C443

Horizontal resolution : 400 lines (S-VHS)

: 250 lines (VHS)

AUDIO

Output

Wow and flutter

Input (line) : -8 dBs, 50 k-ohms, unbalanced

(Normal, Hi-Fi)

(microphone): -67 dBs, high impedance : -6 dBs, 1 k-ohms, unbalanced level (line)

(Normal, Hi-Fi) Signal-to-noise ratio : 40 dB (Normal)

Dynamic range : 85 dB (Hi-Fi/SP) : 70 to 10,000 Hz ±6 dB (Normal)

Frequency response 20 to 20,000 Hz ±6 dB (Hi-Fi)

: Less than 0.008% wrms (Hi-Fi)

ACCESSORIES : Remote control unit x 1

> "R6" battery x 2 Remote control cable for remote control unit x 1

Switch cover x 1

Design and specifications subject to change without notice.

SECTION 1 DISASSEMBLY

1.1 EXTERNAL COVERS

- 1. Top cover
- 1) Take out four screws (A) and one screw (B) from the right, left and rear sides of the set.
- 2) Tilt up the rear end of the top cover in direction ①, then remove the top cover.
- 2. Front panel
- 1) Remove the top cover.
- 2) Carefully bend three hooks © of the front panel assembly from the upper side of the chassis in order to disengage the hooks from the chassis.
- 3) Pull the front panel assembly toward direction ② to disengage three hooks ① of the front panel assembly from the bottom of the chassis, then remove the front panel assembly.
- 3. Bottom cover
- 1) Remove the top cover.
- 2) Take out ten screws (E) from the bottom of the set, then remove the bottom cover.

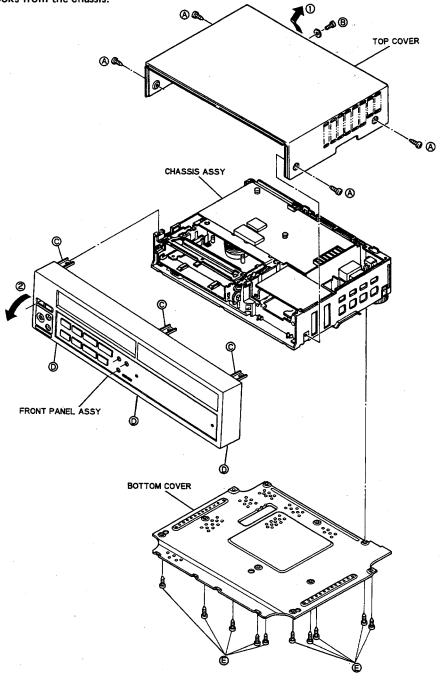


Fig. 1-1-1

1.2 MAIN CIRCUIT BOARDS

- 1. Video board assembly and Terminal board assembly
- 1) Take out five screws (L) and one screw (M), then raise the video board and Terminal board assemblies to remove them.
- 2. Flying Enase board assembly
- 1) Take out one screw (P) and remove the bracket.
- 2) Raise the Flying Erase board assembly to remove it.
- Mechacon board assembly, AV IN/OUT board assembly and Servo board assembly.
- 1) Take out three screws (1), then remove the Mechacon board assembly, AV IN/OUT board assembly and Servo board assembly.

Note: Servo and AV IN/OUT board assemblies are connected to the Mechacon board assembly.

- 4. Servo Sub board assembly
- 1) Take out one screw (R) and remove the bracket.
- 2) Raise the Servo Sub board assembly to remove it.
- 5. Audio board assembly
- 1) Take out two screws (S) and remove the Audio board assembly and shield plate assembly.
- 6. Timer board assembly
- 1) Take out two screws (T) and remove the Timer board assembly.
- 7. Switching Power Supply board assembly and Regulator board assembly

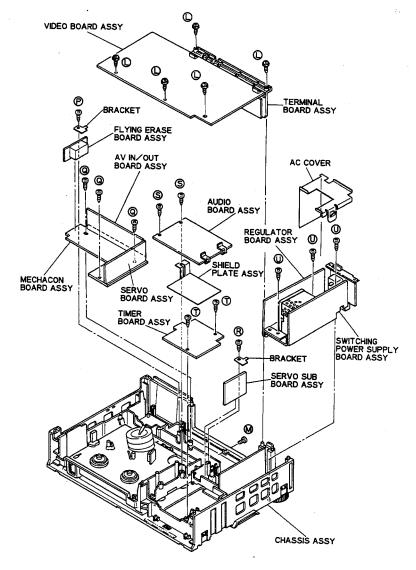


Fig. 1-2-1

SECTION 2 MECHANISM ADJUSTMENT

2.1 GENERAL

2.1.1 Precautions

IMPORTANT:

- 1. Disconnect unit from power before removing or soldering components.
- 2. When removing a fastener (screw, washer, etc.), be careful not to drop it into the mechanism. If a fastener should be dropped, be sure to retrieve it.
- The tape transport mechanism has been precisely adjusted at the factory and ordinarily does not require readjustment.
- 4. When removing a part, be very careful not to damage or displace other parts. (Be especially careful with the tape guides and rotary video head drum.)
- For service procedures that set for the Play mode when the cassette housing is separated from the maindeck, perform as below.
- 1) Set a sheet of insulated material on the top of chassis.
- 2) Remove the cassette housing from the main-deck and place it on the insulated sheet, but do not disconnect the housing connector.
- Cover the cassette LED on the main-deck with an opaque cover.
- 4) The Play mode can be obtained by using the Play switch without a cassette tape.

2.1.2 Required test equipment, fixtures and tools

For proper mechanical adjustment, the following test equipment, fixtures and tools are strongly recommended. Without them, a long trial-and-error period would be necessary, resulting in possible damage. In addition, general-purpose tools are required.

1. Test equipment required:

Color television or monitor

Oscilloscope: Wide-band, dual trace, triggered, delayed sweep

Recording tape
Alignment tapes

Alignment tape MHPE, MHPE-L, MH-F8	Cassette torque meter PUJ42881	A/CTL head position tool PUJ47351-2

Table 2-1-1 Fixtures and tools

2.1.3 Layout of main parts

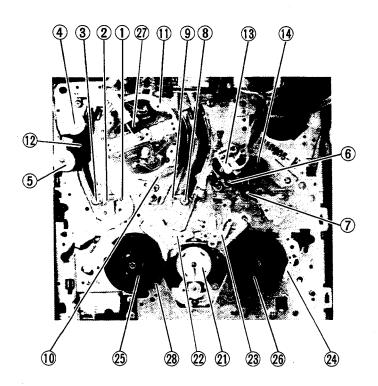


Fig. 2-1-1 Top view of main-deck

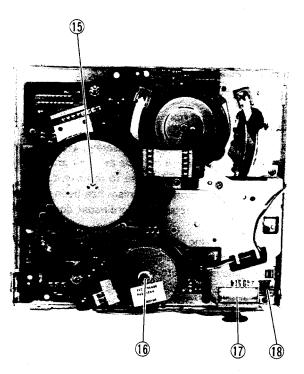


Fig. 2-1-2 Bottom view of main-deck

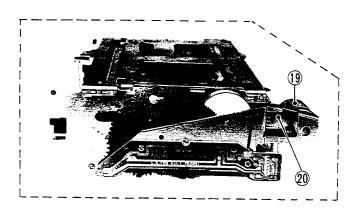


Fig. 2-1-3 Cassette housing

- 1. Tension arm ass'y
- 2. Supply slant pole
- 3. Supply guide roller
- 4. Roller ass'y
- 5. Impedance roller
- 6. Take-up guide pole
- 7. Capstan shaft
- 8. Take-up guide roller
- 9. Take-up slant pole
- 10. Lower drum ass'y

- 11. Upper drum ass'y
- 12. Full erase head
- 13. A/C head
- 14. Pinch roller arm ass'y
- 15. Capstan motor
- 16. Reel motor
- 17. Mode motor
- 18. Mode belt
- 19. Cassette motor
- 20. Cassette belt

- 21. Idler arm
- 22. Supply main brake
- 23. Take-up main brake
- 24. Take-up sub brake
- 25. Supply reel disk
- 26. Take-up reel disk
- 27. Brush ass'y
- 28. Tension band ass'y

2.1.4 Main parts replacement table

Periodic inspection and maintenance are needed in order to ensure performance and reliability. The following table has been compiled simply to give a general idea regarding maintenance and inspection. In practice, the periods indicated will vary widely according to environmental and usage

conditions. Also be aware that rubber parts may deform and age even when the equipment is not used. The upper drum life is particularly affected by environmental and usage conditions.

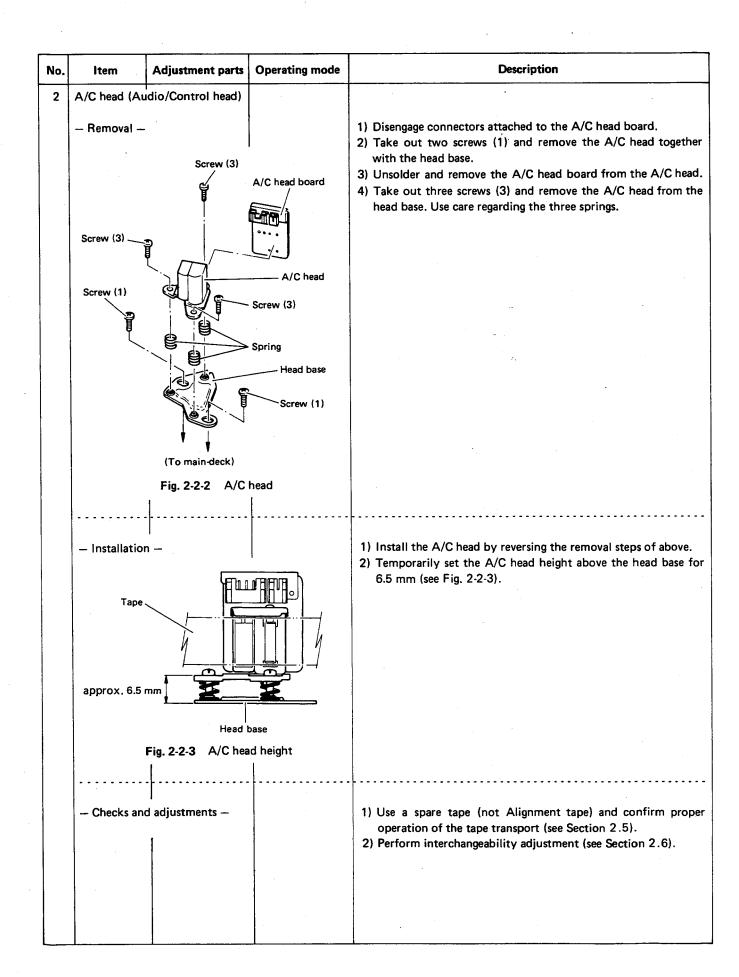
No.	Domo Norro	D No	P	eriodic	servici	ng sche	dule (c	peratin	ng hour	2)	Ref.	
NO.	Parts Name	Parts No.	1000	2000	3000	4000	5000	6000	7000	8000	sect.	Remarks
Tape 1	ransport system			•	•	·			·			<u> </u>
1	Tension arm ass'y	PQ41944A-7	*	*	*	0	*	*	*	•		Perform cleaning with finely
2	Supply slanted pole	Ass'y No.	*	*	*.	•	*	*	*	•		woven cloth or gauze moistened
3	Supply guide roller	PU60556-2-2	*	*	*	•	*	*	*	•		in alcohol.
4	Roller ass'y	PQ43298A	*	*	*	•	*	*	*	•		Confirm that the cleaned loac-
5	Impedance roller	PQ41955	*	*	*	•	*	*	*	•		tions are thoroughly dry before
6	Take-up guide pole	PU53629-3	*	*	*	0	*	*	*	•		operating the deck.
7	Capstan shaft	_	*	*	*	*	*	*	*	*		For lubrication, use sewing
8	Take-up guide roller	Ass'y No.	*	*	*	•	*	*	*	•	ė,	machine oil or good quality
9	Take-up slanted pole	PU60557-1-4	*	*	*	•	*	*	*	•		spindle oil.
10	Lower drum ass'y	PDM2113C	*	*	*	•	*	*	*	•	2.2.1	After cleaning with alcohol, apply
11	Upper drum ass'y	PDM2119A	•	•	•	•	•	•	•	•	2.2.1	1 or 2 drops of oil.
12	Full erase head	PU60646	*	*	*	•	*	*	*	•		
13	A/C head	PU60560-2	*	*	*	•	*	*	*	•	2.2.2	
14	Pinch roller arm ass'y	PQ42006B	*	•	*	•	*	•	*	•	2.2.4	
Drivin	g system											
15	Capstan motor	PU60201V	*	0	*	•	*	0	*	•		
16	Reel motor	PU59926V		•		•		•		•	2.2.6	
17	Mode motor	PQ41996B				0				•	2.2.7	
18	Mode belt	PQM30003-20		0		•		0		•	2.2.7	
19	Cassette motor	PQ42385A				•				•		
20	Cassette belt	PQM30003-19		0		•		0		•		
21	Idler arm	PU58645-1-4	*	•	*	•	*	•	*	•	2.2.6	
22	Supply main brake	PQ42019B-6		0		•		0		•		
23	Take-up main brake	PQ42020B		0		•		0		•		
24	Take-up sub brake	PQ42037A-2		0		•		0		•		
25	Supply reel disk	PU59250-1-2		Δ		0		Δ		Δ		
26	Take-up reel disk	PU58638-1-2		Δ		0		Δ		Δ		
Other	\$			•			•		·	·I		
27	Brush ass'y	PDM4015B				•				•	2.2.1	
28	Tension band ass'y	PQ41948A	0	•	0.	•	0	•	0	•	2.4.1 2.2.3	←Perform back tension check

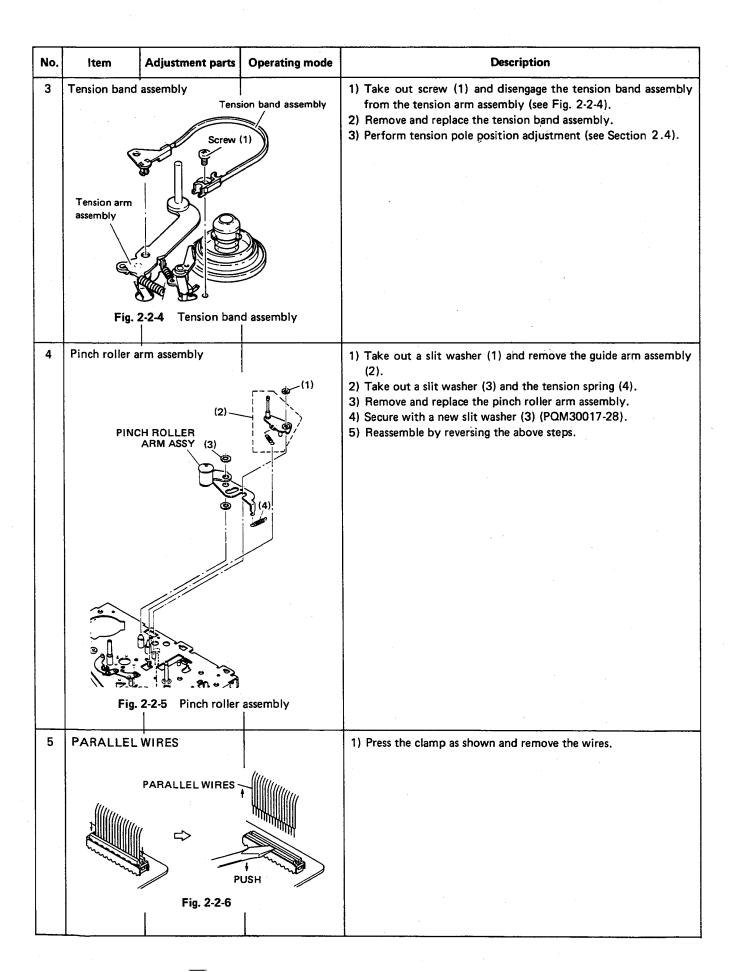
(\star = Cleaning. \circ = Check, or replace if necessary. \bullet = Replacement. \triangle = Lubricate.)

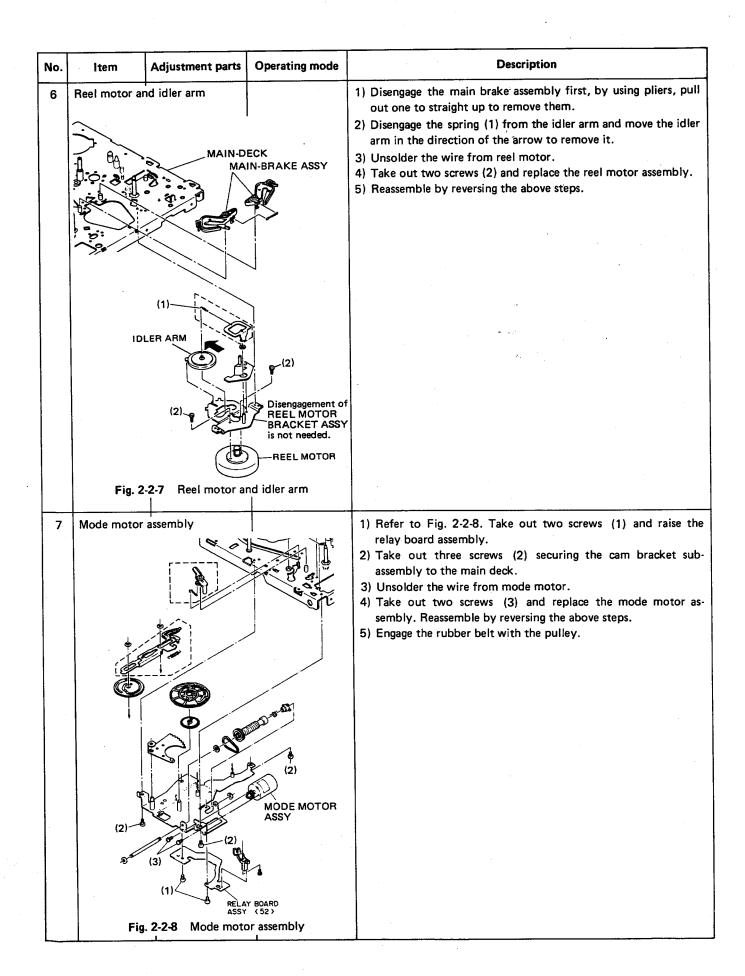
Table 2-1-2 Main parts maintenance and replacement standard

2.2 MAIN ASSEMBLY REPLACEMENT

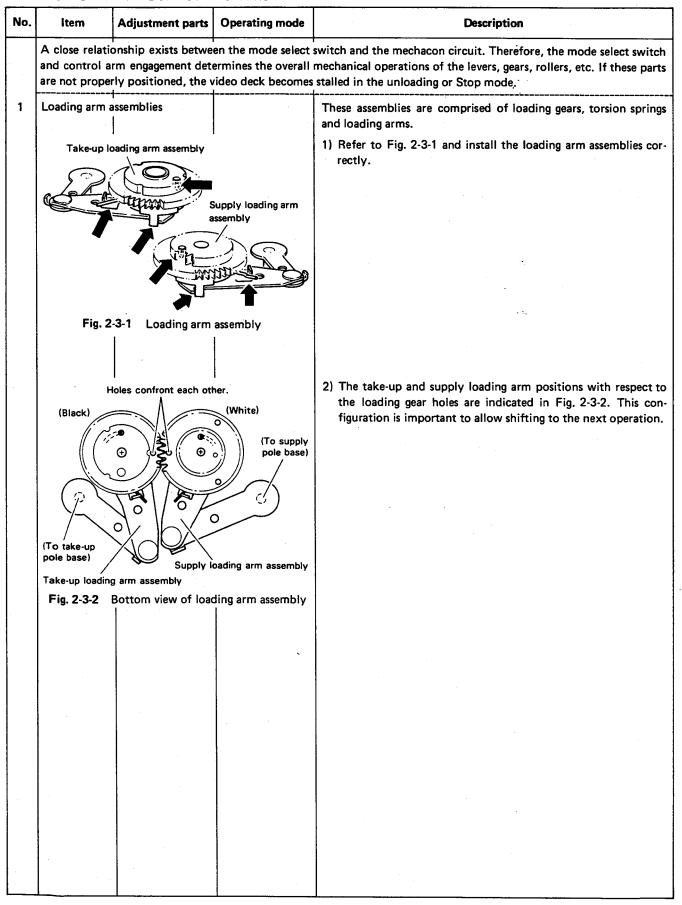
No.	Item	Adjustment parts	Operating mode	Description
1	Upper drum assembly			Note: When installing the new upper drum, use care not to touch the video heads. If heads are soiled, clean with a soft, finely woven cotton cloth or chamois that has been moistened in alcohol. Hold lightly against the heads and turn the drum clockwise. By no means clean with a vertical stroke.
	– Removal –			Refer to Fig. 2-2-1. Take out screw (1) and remove the brush assembly.
		Screw	(1)	2) Use a desoldering tool or desoldering braid to unsolder the upper drum boards.
	So	crew (2)	Brush assembly	Take out two screws (2) and raise the upper drum to remove it together with the upper drum board. (If this drum is to be reinstalled, use care not to touch or damage the heads.)
	Black colored re	elay pin	_Upper drum board	
	White painte		Upper drum assembly	•
		Low	er drum assembly	
	Fig.	2-2-1 Upper drun	n assembly 	
	- Installation AUDIO CH-1	LP CH-2 SP CH-	1 F/E	 Refer to Fig. 2-2-1. Align the black relay pin of the new upper drum with the white marking of the lower drum. Reinsert screws (2) and tighten them in a balanced manner. Reinstall and solder the upper drum boards. Clean the drum assemblies (see above note).
				5) Reinstall the brush assembly and secure with screw (1).
	DUMMY	SP CH-2 LP CH	AUDIO CH-2 I-1	
	— Checks and	adjustments —		After installing the upper drum, perform the following checks and adjustments (refer to appropriate Sections of this Manual). 1) FM waveform (Section 2.6.1) 2) Servo circuit (Section 3.4) 3) Video circuit (Section 3.7, 3.5) 4) FM audio circuit (Section 3.6.3)

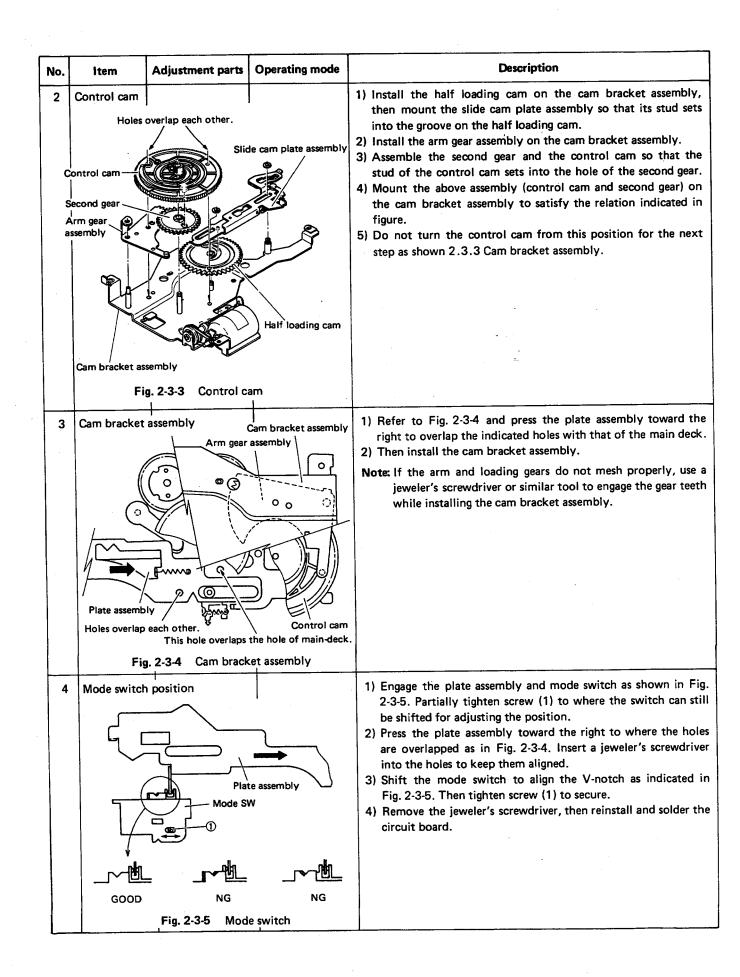






2.3 ASSEMBLY PROCEDURE OF MECHANISM





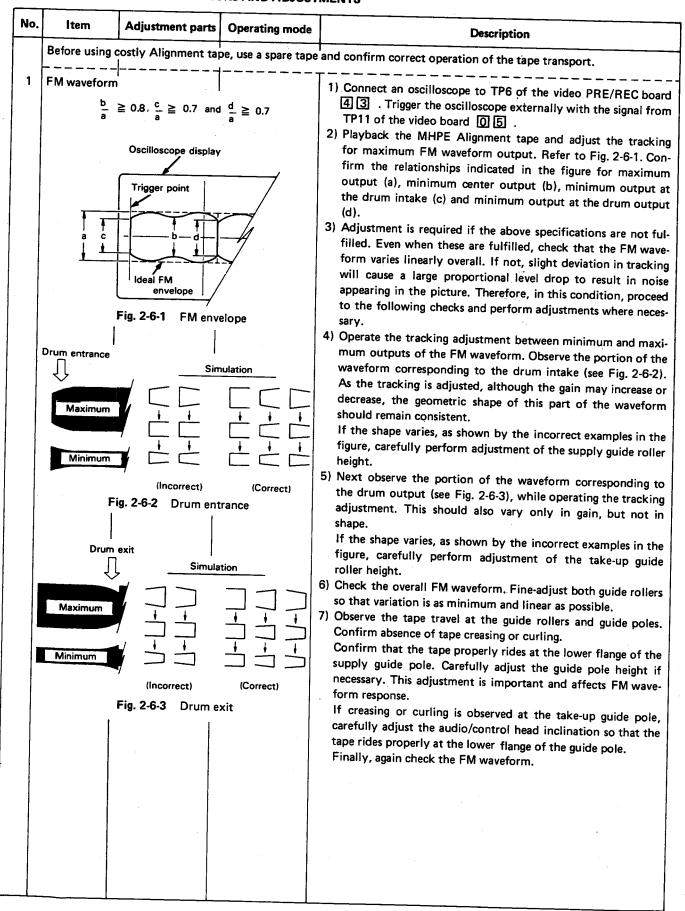
2.4 CONFIRMATION AND ADJUSTMENT

No.	Item	Adjustment parts	Operating mode	Description
1		Zero (0 mm) Tension Tension	band assembly Supply reel disk band holder) le position	 Without a cassette housing, set for the Play mode (see Section 2.1.1). Refer to Fig. 2-4-1. Slightly loosen screw (1). Adjust the tension band holder position for 0 mm separation between the tension arm and cutout position. Tighten screw (1) to secure the tension band holder. Use the cassette torque meter and set for the Play mode. Check for a scale reading between 38 and 65. If outside this range, clean the tension band contacting portions of the supply reel disk with alcohol, or check the condition of the tension arm spring. If necessary, replace the tension band assembly.
2	Take-up torq	ue		1) Use the cassette torque meter and set for the Play mode. 2) Confirm a value between 45 and 155. 3) If outside this range, clean the rubber portion of the idler arm with alcohol, if necessary, or check the reel motor drive circuit.

2.5 TAPE TRANSPORT CHECKS AND ADJUSTMENT PREPARATIONS

No.	item	Adjustment parts	Operating mode	Description
	ever, adjustme	ent may become ne	cessary after long	ted at the factory and ordinarily does not require readjustment. How- term usage or after replacing parts that affect the tape transport are interchangeability adjustments of Section 2.6.
1	Guide roller	Turn with screw-drive Guide Sets:	e roller crew	1) During interchangeability adjustments, the guide roller is turned with a flat-blade screwdriver to adjust its height and correct FM waveform linearity. Use a metric hex key (1.25 mm) to slightly loosen the setscrew at the base of the guide roller (see Fig. 2-5-1). Loosen the setscrew just sufficiently to allow the guide roller to be turned. If too loose, tape transport will be too unstable to permit correct adjustment.
2	Impedance ro	 		1) This compensates for tape running stability between the cas-
	Impedan	Fig. 2-5-2 Impedal	F.E head Tape	sette and head drum. After adjusting the supply guide roller, the impedance roller height is adjusted for smooth tape transport at the lower flange. 2) Use a metric nutdriver (5.5 mm) to adjust by turning the upper nut (see Fig. 2-5-2). However, note that excess turning can disturb the FM waveform stability.
3		udio/control head)	Furn this screw to obtain smooth tape travel. ke-up guide pole	1) After adjusting the take-up guide roller, adjust the A/C head inclination for smooth tape travel at the lower flange of the take-up guide pole. Refer to Fig. 2-5-3.
		Fig. 2-3-3 A/C	, neau	

2.6 INTERCHANGEABILITY CHECKS AND ADJUSTMENTS

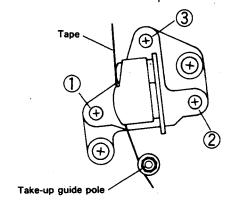


No. Item Adjustment parts Operating mode Description

Proper adjustment of the A/C head position is important for ensuring adequate audio output and S/N. Severe misalignment can prevent control signal pick-up and cause servo instability. Precise adjustment is particularly important for models that include tape indexing and addressing features, since these rely on control signal coding for operation.

To observe the audio signal, connect an oscilloscope to the test point (AUDIO OUT) of the audio circuit, or directly to the audio output terminal. In some cases, monitoring the sound with headphones may be helpful.

2 A/C head adjustments



- 1) Playback the MHPE Alignment tape.
- 2) Adjust screw (3) (Fig. 2-6-4), which is the azimuth adjustment, for maximum output.
- 3) Turn screws (1), (2) and (3) by small and equal increments (about 45° at a time) to adjust the A/C head height for maximum audio output. Slightly raise and lower the height to confirm the maximum output position.
- 4) Observe the FM waveform and tighten the guide roller setscrews. Use care not to disturb the height adjustments. Then again confirm the FM waveform is not affected.



Audio signal

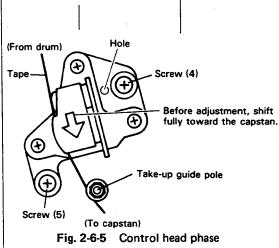
Fig. 2-6-4 A/C head

This determines the distance between the sound and picture information on the tape. Correct adjustment is important for providing synchronization of picture and sound in the program. Incorrect adjustment is particularly noticeable in the slow speed (LP) mode.

Observe the FM waveform by connecting an oscilloscope to the video play-back circuit test point (FM OUT). Trigger the oscilloscope externally with the drum flipflop signal. Use plus (—) trigger to view the CH1 waveform. Set the tracking adjustment to the neutral (AUTO) position.

3 Control head phase (X value)

----+------



- 1) Playback the MHPE Alignment tape.
- 2) See Fig. 2-6-5. Slightly loosen screws (4) and (5). Set the A/C head positioning tool over screw (4) with the pin of the tool inserted into the indicated hole.
- 3) Turn the tool counterclockwise to shift the A/C head fully toward the capstan direction.
- 4) While observing the CH-1 FM waveform, gradually turn the tool clockwise. Stop at the peak output position and tighten screw (5). Remove the tool and tighten screw (4).
- 5) Play back the MHPE-L Alignment tape.
- 6) Operate the tracking adjustment and confirm that the maximum FM waveform is obtained at the neutral setting.
- 7) If the FM output peak is not obtained at tracking neutral position, shift the A/C head at the FM output peak nearest to this position.

No.	Item	Adjustment parts	Operating mode	Description
4	Final checks			 Supply a video signal (monochrome is preferable). Use a spare tape and record and play back. Confirm that the playback FM signal conforms to the parameters indicated in Fig. 2-6-1. Connect the oscilloscope to TP53 (FM OUT) of the audic board ① ② . Play the stairstep portion (which includes the FM audio carrier) of the MH-F8 Alignment tape. Confirm absence of severe drop in FM waveform level. Perform the checks and, if necessary adjustments, of the Electrical Adjustments Section for the servo, video and audio (and
	. · ·	·		FM audio) circuits.
İ				
			:	
	•			

SECTION 3 ELECTRICAL ADJUSTMENTS

3.1 PREPARATION

Electrical adjustments are required after replacing circuit components and certain mechanical parts.

It is important to perform these adjustments only after all repairs and replacements have been completed. Also, do not attempt these adjustments unless the proper equipment is available.

3.1.1 Required test equipment

- 1. Color television or monitor
- 2. Oscilloscope: wide-band, dual-trace, triggered delayed sweep
- 3. Frequency counter
- 4. Audio tester
- 5. Digital voltmerter
- 6. Signal generator: PAL color bar, stairstep, video sweeper
- 7. Recording tape
- 8. Alignment tape: MHPE, MH-2H, MBVE-3H, MH-8
- 9. Patch cord: PTU94001

(PRE/REC board to CONNECTOR board)

10. Extension cable: PTU93004A

AV IN OUT board to MECHACON board

SERVO board to MECHACON board

- 11. Head resonance adjust coil: PTU94004A
- 12. RF sweep signal generator (100 kHz 10 MHz)

3.1.2 Check and adjustment steps

The check and adjustment steps are provided in the following in the form of charts. For clarity, the nomenclature used in the charts is outlined below.

No.

Checks and adjustments are numbered in the recommended sequence in which they

are to be performed.

Item

Name assigned to the particular check and

adjustment step.

Check Point

Location to which measuring instrument (oscilloscope unless otherwise noted) is to

be connected.

Adjustment Parts

Variable component (resistor, capacitor, etc.) to be adjusted in this step. Dash (—) indicates check only.

Signal & Mode Input signal required to perform adjustment. Dash (—) indicates that special signal is not required.

 Equipment operating mode at time of check or adjustment. Color bar Signal as video input.

E-E Power on and machine in Stop mode.

REC Recording mode
PB Playback mode

SLOW Slow motion playback mode
STILL Pause during playback mode

S-VHS mode Super-VHS mode

(S mode)

N-VHS mode Normal-VHS mode

(N mode)

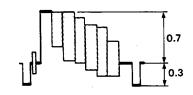
Description This column provides an explanation of

the step, notes and adjustment values.

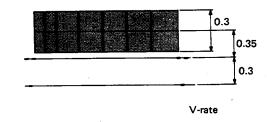
Note: Unless otherwise noted, supply a VIDEO signal to LINE IN (BNC connector), and set the INPUT SW to LINE.

3.1.3 Required test signal

• EBU 100% colour bars



• Video sweep (100 kHz - 5 MHz)



• Sweep



3.1.4 Alignment tape specifications

• MH-8

No.	PB time	Video signal	Audio signal	Description
1	2 min.	Color sweep	400 Hz (-10 dB)	for check and adjustment of frequency characteristic in video PB
2	2 min.	. "	100 Hz (-10 dB)	circuits
3	2 min.	"	8 kHz (-10 dB)	for check and adjustment of frequency characteristic in audio PB
4	4 min.	,,	_	circuits (Markers: 100 K, 1M, 2M, 4.43 MHz)

MH-2H

No.	PB time	Video signal	Audio signal	Description
1	5 min.	Color bars S-VHS SP mode	None	for check and adjustment of PB circuits in S-VHS SP mode
2	5 min.	Color bars S-VHS LP mode	None	for check and adjustment of PB circuits in S-VHS LP mode

MHPE

Video signal	Audio signal	Description			
VHS SP mode Stairstep		for check and adjustment of interchangeability for check and adjustment of the servo circuit for adjustment of audio head azimuth	Usable in place of MH-2 stairstep		

MBVE-3H (Handled by Service Engineering Section)

S-VHS SP mode – for check and adjustment of video frequency recover	Video signal		Audio signal	Description
Video sweep (Markers: 1M, 2M, 3M, 4M, 4.43 MHz)			_	for check and adjustment of video frequency response (Markers: 1M, 2M, 3M, 4M, 4.43 MHz)

3.1.5 Switches setting

 Unless otherwise noted, perform checks and adjustments with siwtches being initialized as shown below.

MODE LOCK

: OFF

EDIT

: OFF

REPEAT

: OFF

LEVEL INDICATOR: ON **INPUT**

Hi-Fi REC LEVEL

: LINE

: AUTO

AUDIO OUT to

: Hi-Fi

 When any of the above switch was set to another position, make sure to return it to the initial setting every time adjustment/check of an item completed.

3.2 SWITCHING REGULATOR CIRCUIT

No.	Item	Check Point	Adjustment Parts	Signal & Mode	Description
1	5 V DC output voltage	TP1 TP-GND SW. REG.	R26 SW. REG (0) (2)	• REC	 Connect a digital voltmeter between TP1 and TP-GND. Set to the REC mode, and adjust R26 for 5.345 ± 0.05 V.
		TP1	5.345 ± 0.05 V	ØR26	
2	Semi-REG 15 V output voltage	CN1 pin 7 SWITCHING [D] []	R9 SWITCHING 01 .2 ± 0.2 V ØR9	• REC	 Connect a digital voltmeter between pin 7 of CN1 and TP-GND. Set to the REC mode, and adjust R9 for 15.2 ± 0.2 V.

3.3 TIMER CIRCUIT

Note: Unless otherwise noted, all test points and adjustments are located on the TIMER board 200 .

No.	Item	Check Point	Adjustment Parts	Signal & Mode	Description
1	Timer clock	TP2 TP1 (GND)	C10 2048. ± 0.002 Hz	● E-E ØC10	 Connect a frequency counter between TP2 and GND. Short between TP3 (TEST) and GND, then short the leads of electrolytic capacitor C8 once in order to reset IC1. Adjust C10 for 2048.000 ± 0.002 Hz (488.2808 to 488.2818 μs).

3.4 SERVO CIRCUIT

Note: Unless otherwise noted, all test points and adjustments are located on the SERVO board 48.

No.	item	Check Point	Adjustment Parts	Signal & Mode	Description
1	PB switching point SW. poin	VIDEO OUT t 6.5 ± 0.5H ⊘	R32 (SW POINT)	● PB ■ MHPE ■ Trigger slope (—)	 Connect an oscilloscope to the VIDEO OUT. Play back the MHPE alignment tape. Trigger the oscilloscope externally (- slope) with the signal from TP11 of the VIDEO board 0 5. Adjust R32 to position the trigger point 6.5 ± 0.5H from V. sync.
			6.5±0		
2	SP slow tracking preset	Monitor	R55 (SP SLOW)	• S-VHS mode • REC ↓ • Slow PB (1/6) • Color bar	 Set the TRACKING control of the FRONT panel to the preset position by simultaneously pressing the + and — TRACKING buttons. Record a color bar signal, then play back in the Slow mode (press the "<<" variable search button of the remote controller). Adjust R55 to minimize noise bars on the video monitor screen.
	LP slow tracking preset	Monitor	R59 (LP SLOW)	• MH-2H • Slow PB (1/6)	 Play back the LP segment of MH-2H in the slow mode. Adjust R59 to minimize noise bars on the video monitor screen.
3	SP X2 normal tracking preset	Monitor	R38 (SP X2)	• S-VHS mode • REC ↓ • X2 Play • Color bar	 Set the TRACKING control of the FRONT panel to the preset position by simultaneously pressing the + and - TRACKING buttons. Record a color bar signal, then play back in the 2X Play mode. Adjust R38 to minimize noise bars on the video monitor screen.
	LP X2 normal tracking preset	Monitor	R36 (LP X2)	• MH-2H • X2 Play	1) Play back the LP segment of MH-2H in the 2X Play mode. 2) Adjust R36 to minimize noise bars on the video monitor screen.
4	V. pulse position	Monitor	R11 (V. LOCK) [REAR panel]		Record a color bar signal, then play back. In the Still mode, observe the monitor and adjust R11 (REAR panel) for the minimum vertical jitter.

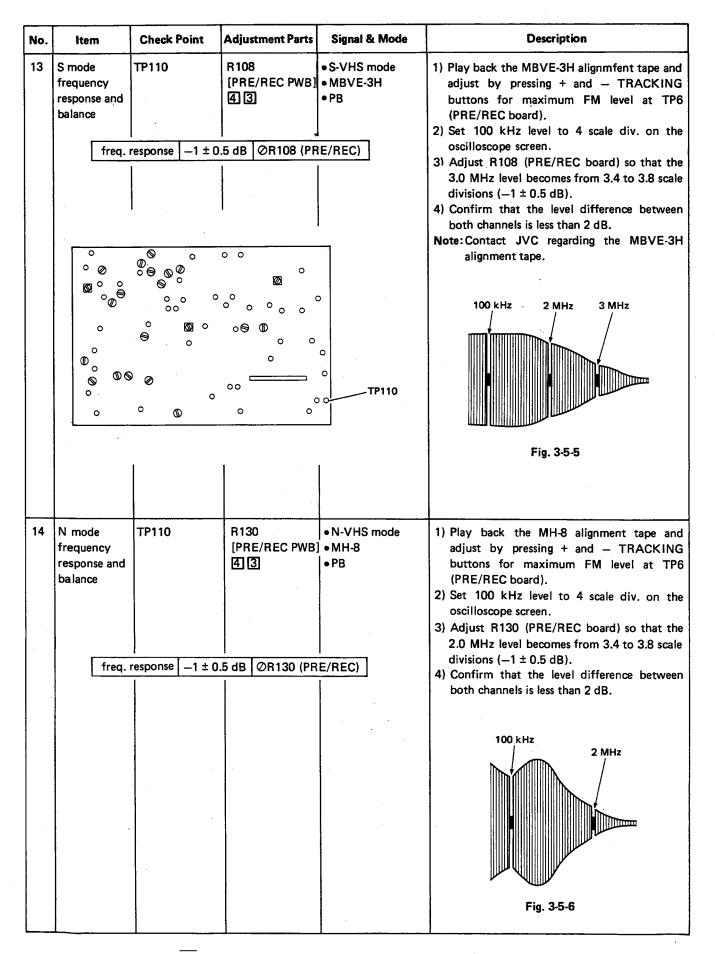
3.5 VIDEO CIRCUIT

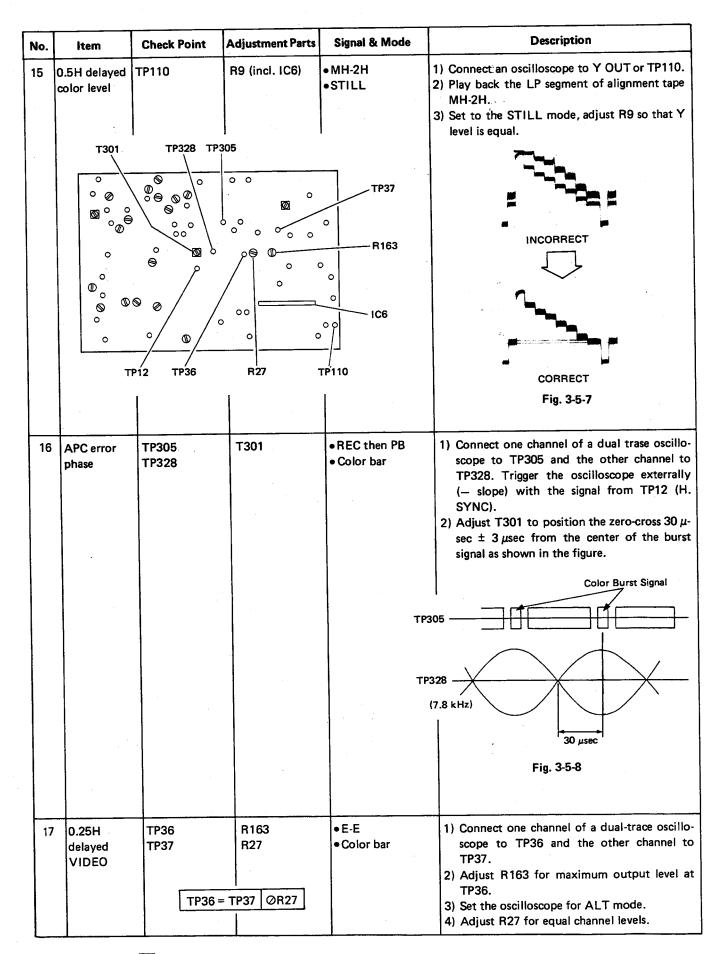
Note: Unless otherwise noted, all test points and adjustments are located on the VIDEO board [0] [5] .

No.	item	Check Point	Adjustment Parts	Signal & Mode	_ Description
1	Y comb level	TP25 TP26 TP26 TP33 R10	R107	● S-VHS mode ● E-E ● Color bar	 Connect one channel of a dual trace oscilloscope to TP25 and the other channel to TP26. Set the oscilloscope for ALT mode. Adjust R107 for equal channel levels.
	T2 TP32				TP25 = TP26 ØR107
	R110		™ ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °		
		0 0	00 0	000	
2	2H delayed chroma	TP31 TP32	R110 T2	S-VHS mode E-E Color bar	 Connect CH-1 of a dual trace oscilloscope to TP31 and CH-2 to TP32. Set VOLT/DIV controls of both channels to the same range (e.g., 50 mV). Invert CH-2 and use ADD mode. Alternately adjust R110 and T2 for minimum level.
3	4H delayed chroma	TP31 TP33	R108 T2	• S-VHS mode • E-E • Color bar	1) In the same manner as above (3.5.2), adjust R108 and T2 for minimum level.
4	Y-comb	TP34	R119 R118 R197	N-VHS mode E-E Color bar	1) Connect an oscilloscope to TP34. 2) Adjust R118, R119 and R197 alternately for minimum chromatic level (less than 40 mVp-p of the magenta portion).
		R197 R119	R118		
					Fig. 3-5-1
	TP34		0	000	

No.	item	Check Point	Adjustment Parts	Signal & Mode	Description
5	E-E level	VIDEO OUT	R75	• S-VHS mode • E-E • Color bar	 Connect an oscilloscope to the VIDEO OUT. Adjust R75 for 0.97 ± 0.03 Vp-p (with 75 Ω load).
	R95 B				E-E level 0.97 ± 0.03 Vp-p ⊘R75
6	Sub empha. input level	TP39	R57	S-VHS mode E-E Color bar	1) Connect an oscilloscope to TP39. 2) Adjust R57 for 400 ± 20 mVp-p siganl level.
		TP39 40	0 ± 20 mVp-p ⊘i	R57	400mVp-p ±20mVp-p ↓ Fig. 3-5-2
7	S mode REC FM level	TP1 (PRE/REC) [4][3]	R103 (S-MODE REC FM)	• S-VHS mode • REC • Color bar	Note: Connect an oscilloscope's GND terminal to TP-GND near the shield case of the PRE/REC board. 1) Connect an oscilloscope to TP1 of the PRE/REC board and record a color bar signal. 2) Adjust R103 for 4.1 ± 0.1 Vp-p pedestal level, between centers of the waveform outline at the pedestal portion.
8	N mode	TP1 4 (R95	• N-VHS mode	Fig. 3-5-3 1) In the same manner as above (3.5.7), adjust
	REC FM level	(PRE/REC) 43 TP1 4	(N-MODE REC FM)	● REC ● Color bar	R95 for 2.4 ± 0.1 Vp-p pedestal level.

No.	Item	Check Point	Adjustment Parts	Signal & Mode	Description
9	REC color level and balance	TP24	R355 / / 20 0 0 0	• S-VHS mode • PB • MH-2H • REC then PB • Color bar TP307	Note: Use larger-level waveform for adjustment. 1) Connect an oscilloscope to TP307. Play back the SP segment of the MH-2H and observe color signal level. 2) Adjust by pressing the + and – TRACKING buttons of the FRONT panel for maximum level of the color waveform and make a note of the higher color level "A". 3) Set the TRACKING control of the FRONT panel to the preset position by simultaneously pressing the + and – TRACKING buttons. 4) Record and play back a color bar signal. If necessary, before recording, adjust R355 so that the higher level channel becomes 110% of the noted level "A" during playback. At this time, confirm that the channel difference is within 3 dB. Fig. 3-5-4 1) Connect an oscilloscope to the VIDEO OUT. 2) Record a color bar signal, then play it back. 3) Adjust R91 for 0.97 ± 0.03 Vp-p (with 75Ω load).
		Y level (0.97 ± 0.03 Vp-p	ØR91	
11	S mode PB Y level	Y level	R92 (S-MODE PB Y LEVEL)	• S-VHS mode • REC then PB • Color bar	1) In the same manner as above (3.5.10), adjust R92 for 0.97 \pm 0.03 Vp-p (with 75 Ω load).
12	Sharpness preset	TP24	R42	• S-VHS mode • E-E • Sweeper	1) Connect an oscilloscope to TP24. 2) Adjust R42 so that the 2 MHz mark, in the state of EDIT SW "OFF", becomes nearly equal to that in the state of EDIT SW "ON".





3.6 AUDIO CIRCUIT

Note: Unless otherwise noted, all test points and adjustments are located on the AUDIO board 09.

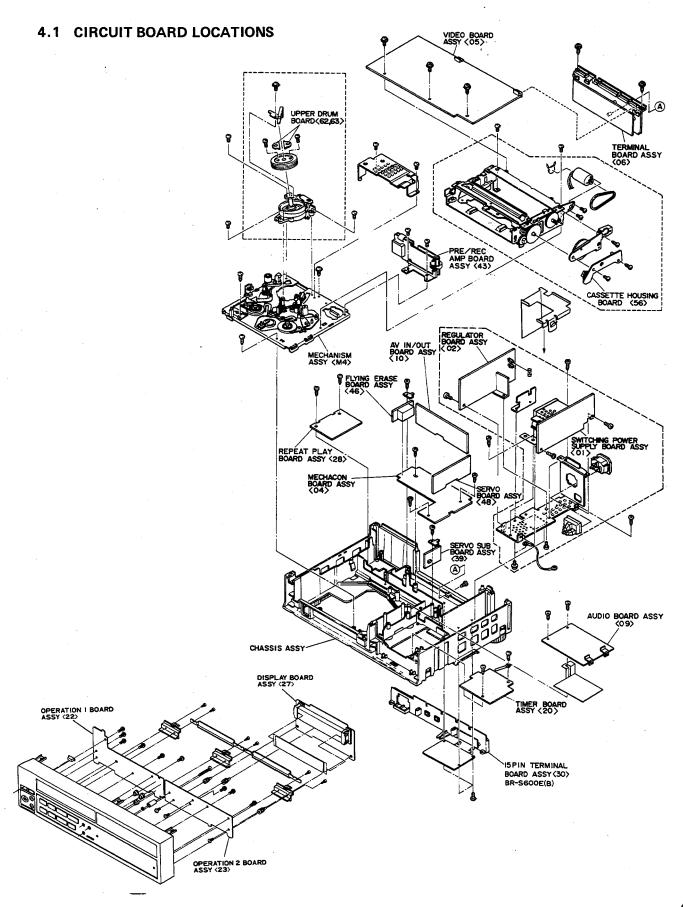
No.	Item	Check Point	Adjustment Parts	Signal & Mode	Description
1	Audio bias level	TP31 TP32 (GND) s level 2.2 mVrn	R9 (BIAS ADJ)	● N-VHS mode ● No signal ● REC	1) Connect a millivoltmeter between TP31 and TP32. 2) Set for REC mode without signal. 3) Adjust R9 for 2.2 mVrms.
2	Audio PB level	AUDIO OUT	R28 (PB LEVEL ADJ)	●1 kHz, —8 dBs ●N-VHS mode ●REC then PB ●AUDIO OUT to NORMAL	 Connect an audio tester to AUDIO OUT. Supply an audio signal (-8 dBs/1 kHz) to AUDIO IN and record together with a video signal, then play back. Adjust R28 so that the audio output level during palyback becomes -6 ± 1 dBs.
3	REC FM level	TP53 M level 50 mVp-	R80 (FM REC ADJ)	S-VHS mode REC then PB No signal Color bar	1) Set for REC mode, without an audio signal, then play back. 2) Adjust R80 for 50 mVp-p ± 5 mV FM audio playback voltage.
4	Level indicator	FDP (LEVEL IND.)	R73 (LEVEL IND [L])	●1 kHz, —8 dBs ●AUDIO OUT to Hi-Fi ●E-E ●LEVEL INDI- CATOR SW: ON ●Hi-Fi REC LEVEL SW: MANUAL	 Supply a 1 kHz, -8 dBs audio signal to AUDIO IN. Adjust Hi-Fi REC level controls so that the audio output level become -6 dBs both on L and R channels. In the E-E (Stop) mode, adjust R73 to the point where the FDP level indicators show 0 dB.
			R74 (LEVEL IND [R])		4) In the same manner, adjust R74 for the R (CH-2) channel.

3.7 PRE/REC CIRCUIT

Note: Unles otherwise noted, all test points and adjustments are located on the PRE/REC board 4 3.

No.	Item	Check Point	Adjustment Parts	Signal & Mode	Description
1	Video head resonance & Q (quality factor)	TP6	CH1 C7 (F) R11 (Q)	RF sweeper E-E S-VHS mode	Note: (1) This adjustment is required only after replacing the upper drum (video heads). (2) Connect ground of probe (oscilloscope) to shield case of the PRE/REC board. (3) A drum assembly is supported on the
	to Swee	COAXIAL cabless than 1 m P Generator with PTU94		desk because of rotation. 1) Insert an S-VHS tape and set for the E-E mode. 2) Connect an oscilloscope to TP6 of the PRE/REC board. Supply a sweeper generator output to adjustment jig as shown in Fig. 3-7-2, then adjust the sweeper generator gain so that the waveform does not distort at TP6. 3) Trigger the oscilloscope externally with the signal from trigger output (VD) of the sweeper generator. 4) Use (—) trigger for CH-1 and (+) trigger for CH-2. Adjust C7 and C5 to set the CH-1 and CH-2 resonance point to 8 MHz. Use the control of the oscilloscope to position the 1 MHz region at graduation 2 of the oscilloscope scale. 5) Adjust R11 to position the 8 MHz portion at 4 of the oscilloscope graduation as shown in Fig. 3-7-1. 6) In the same manner, adjust R15 for CH-2.	
		Fig. 3-7-3			Note: It is recommended to proceed with the above-mentioned adjusting manner. However, if the above method cannot be performed for some reason, proceed to
				• RF sweeper ↓ TP1 43 • PB • S-VHS mode	adjust according to the following manner 1) Connect an oscilloscope to TP6 and supply a sweeper generator output to TP1. 2) Set to the Play mode with a blank (not ye used) cassette tape. 3) Trigger the oscilloscope externally with th signal from TP11 of the VIDEO board. 4) In the same manner as above steps 4) to 6).

SECTION 4 CHARTS AND DIAGRAMS



4.2 MAIN TYPES OF ACTIVE AND PACKAGE CIRCUITS

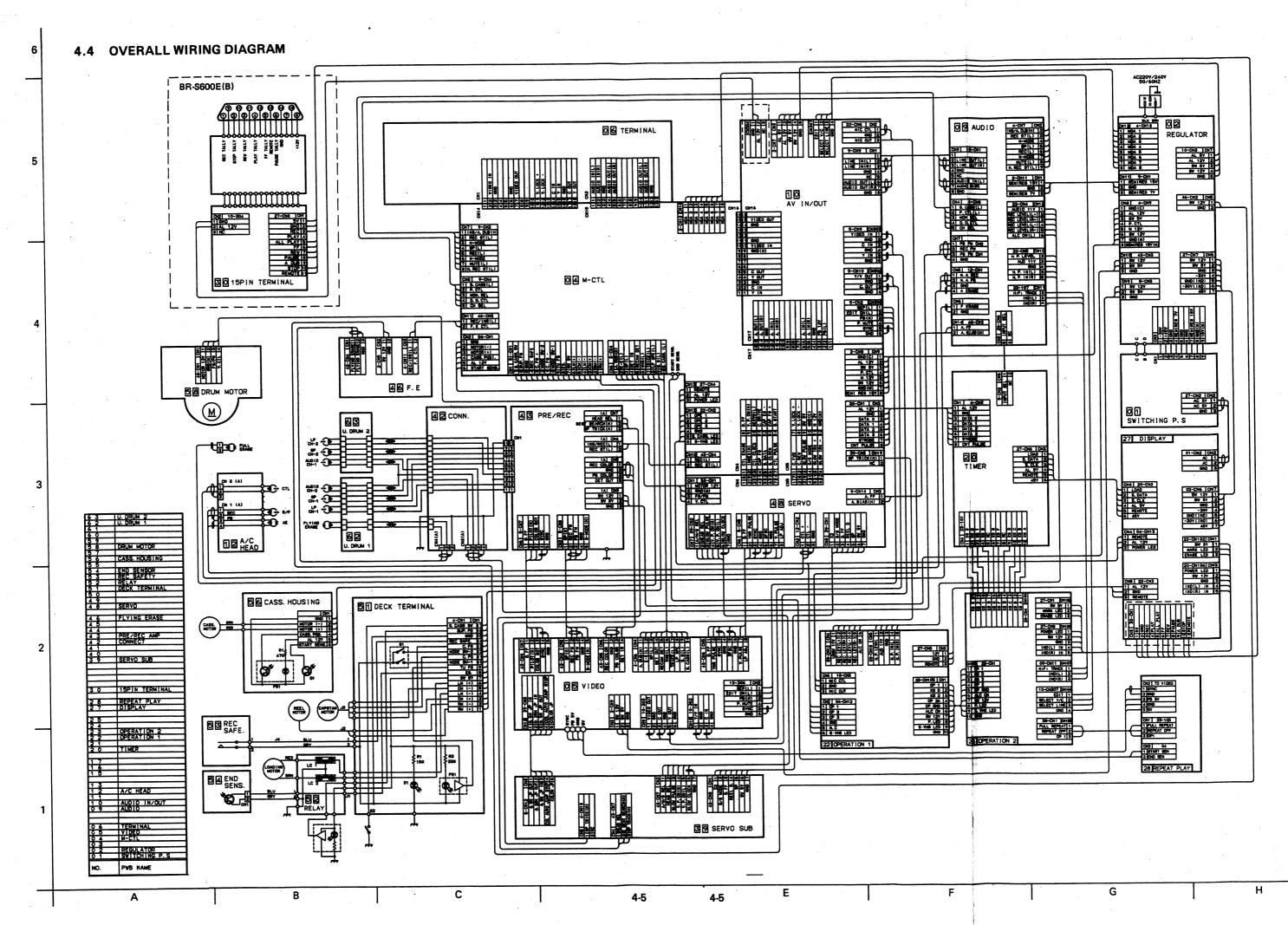
	Integrate	d Circuit	Trans	sistor	Diode
	Α Α	В	С	D .	E
1		September 1			
2					CATHODE
3					CATHODE
4		OUT IN			
5		M			

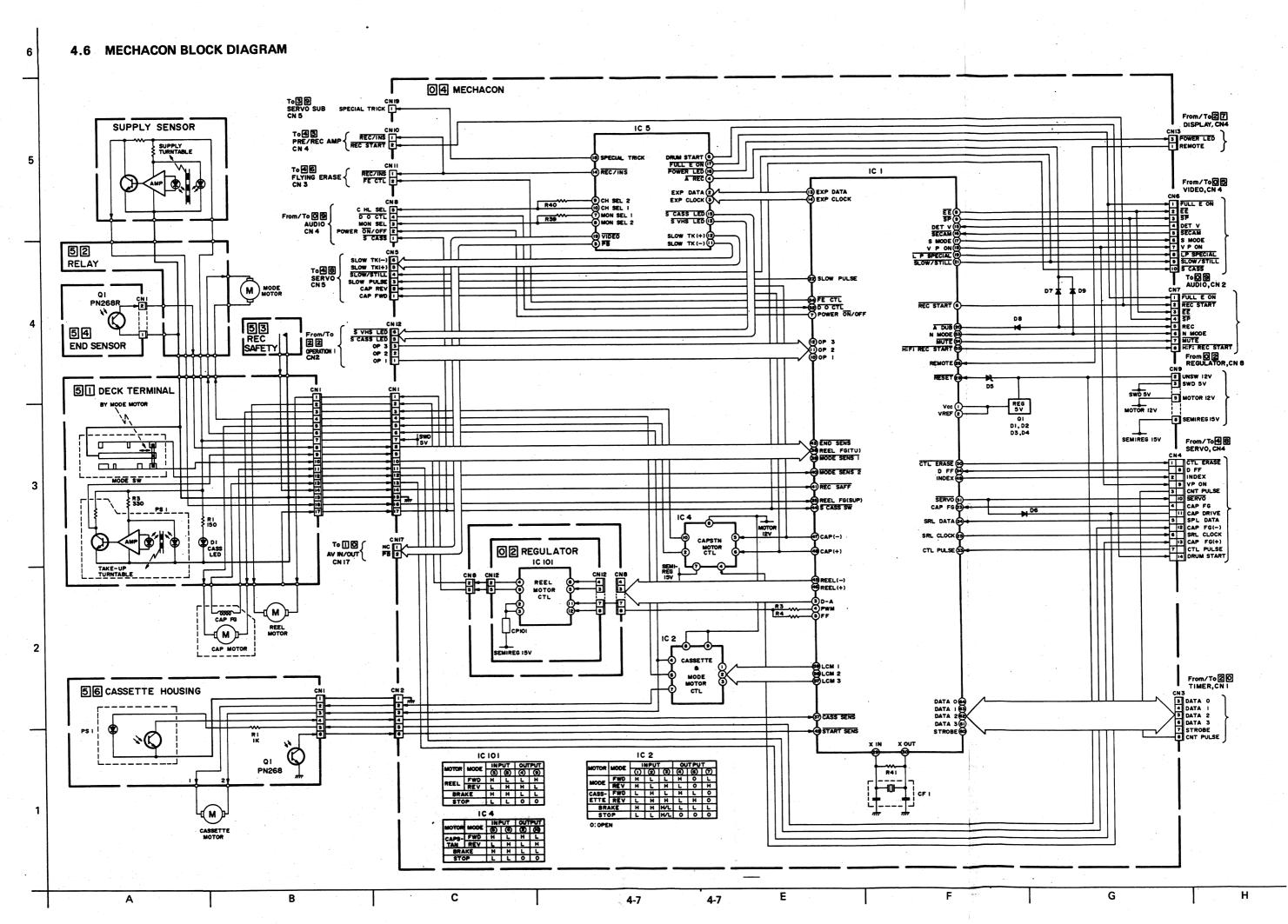
	NAME L IC A AN6041 3A		NAME S SDA5642 STR-D1706		L		NAME	
Α.					2A 5A	2SD	2SD639R	
В	BA10324 BA716LS	2A 2B	т	S-8053HNB TA8405S	4B 3B	2SK	2SK658	1D
	BU3791	2B	ı	TA8609P	1B		DIODE	
	1			TA8733F	5B	Н	HZ12A2	3E
Н	HZ118070 HD49722NT	1A 1A		TC4052BP TC74HC04AP	1B 1A		HZ6BITE	3E
				TC74HC4066P	1B	М	MTZJ4.7C	3E
М	MC7805ACT MSC1148BRS MSM16811RS	5A 2A 1A	U	UPD75216ACW-188	1B	0	OA90UF	2E
	M50445-398SP M50938-625SP M51288SP	1B 2A 1A	V	VC2063S	2A	R	RD16ES-T1B2 RD20ES-T1B2	3E 3E
	M52055P	2A		TRANSISTOR		S SLR-55VC3F		1E
			DTC	DTC124EK	1C			'-
N	NJM2233AD NJM2234D NJM2234S	1A 1A 3B	P	PN268R-NC	2D	1	10E6-F2	2E
	NJM2243S	3B	U	UN4319VI	3C			
Р	PB20167A-01 PB20285A	4A 4A	2SA	2SA1036K	1C			
	PB20286A-01 PB20287A-02 PB20289A-02 PB20290A-02 PB20291A PB20298A	4A 4A 4A 4A 4A	2SC	2SC1740 2SC2647 2SC3311A 2SC3313CTA	3C 2C 3C 3C			

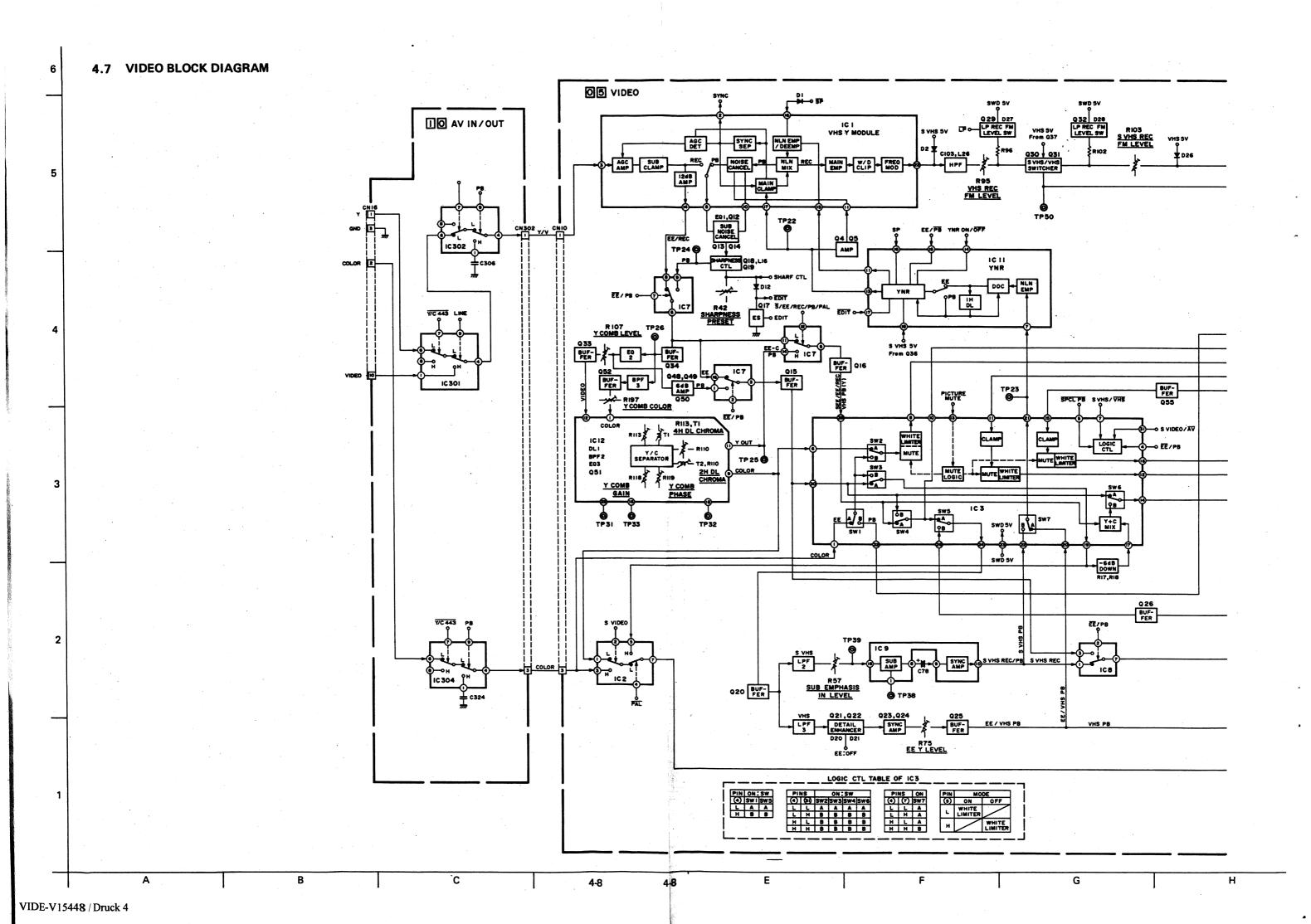
4.3 ABBREVIATIONS USED IN THE SCHEMATIC DIAGRAMS

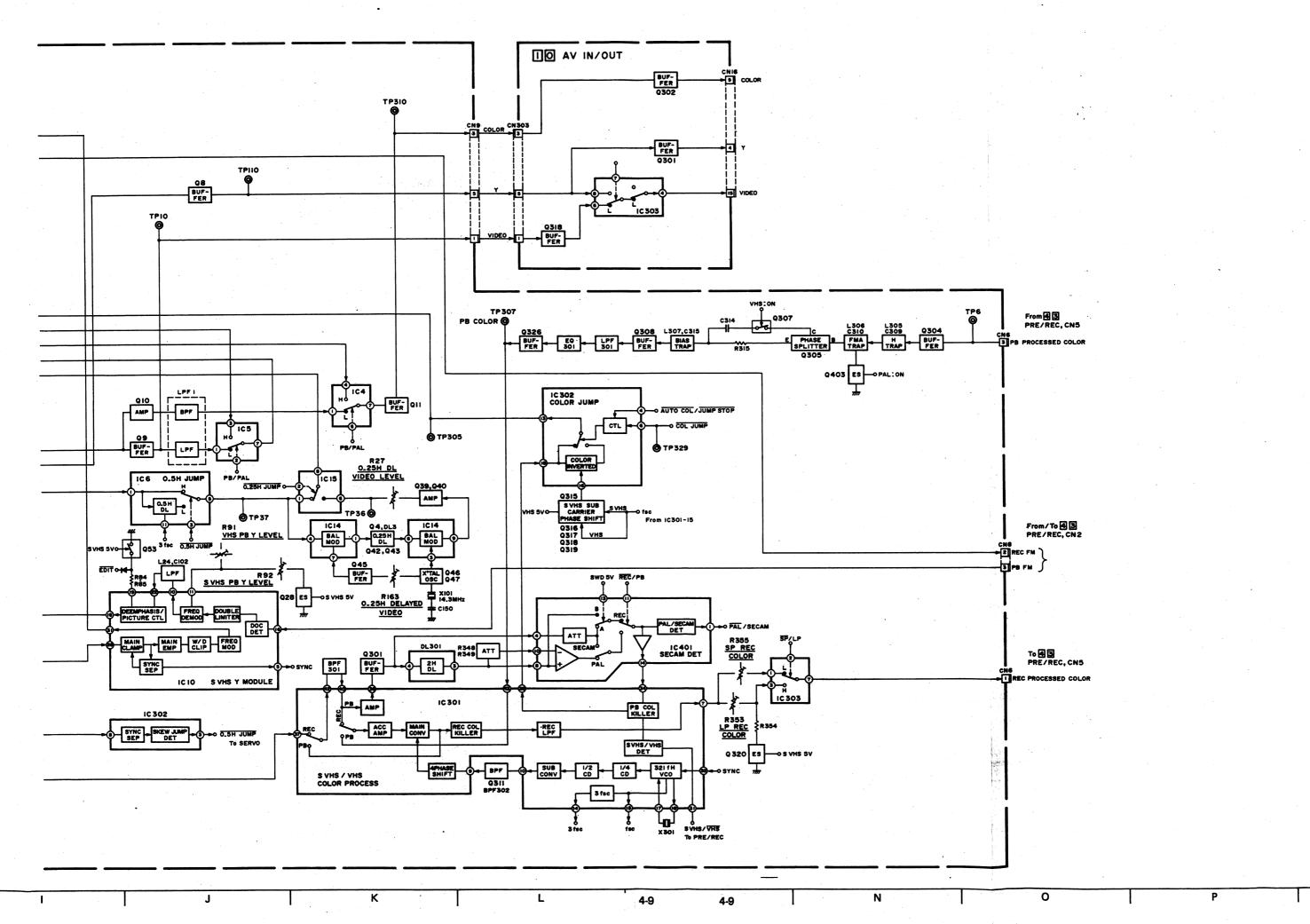
AC.	: Alternating Current	D	D	: Drum, Digital, Diode, Drain
ACC	: Automatic Color Control		DAC	: Digital to Analog Converter
ACCEL	: Acceleration		dB	: Decibel
A/CTL	: Audio/Control		DC	: Direct Current
ADC	: Analog to Digital Converter		DEC	: Decoder
ADD	: Adder		DEMOD	: Demodulator
ADRS	: Address		DEMUX	: Demultiplexer
ADJ	: Adjustment		DET	: Detector
	•		DEV	: Deviation
A DUB	: Audio Dubbing		DIF	: Differential
AE .	: Audio Erase		DISCR	
AEF	: Automatic Editing Function			: Discriminator
AFC	: Automatic Frequency Control		DL	: Delay Line
AFT	: Automatic Fine Tuning		DOC	: Dropout Compensator
AGC	: Automatic Gain Control		DOD	: Drop Out Detector
AH	: Audio Head		DPC	: Drum Phase Control
AL	: After Loading			
ALC	: Automatic Light Compensation	E	Ε	: Edit, Emitter
	Automatic Level Control	_	Ē-E	: Electric to Electric
AM	: Amplitude Modulation		EF	: Emitter-Follower
AMP	: Amplifier			
	•		EMP	: Emphasis
ANT	: Antenna		EN	: Enable
APC	: Automatic Pedestal Control		ENC	: Encoder
	Automatic Phase Control		ENV	: Envelope
APL	: Average Picture Level		EP	: Extended Play
A/S/M	: Audio/Servo/Mechacon		EQ	: Equalizer
ASS'Y	: Assembly		ES	: Electronic Switch
ATT	: Attenuator		ESNS	: End Sensor
AUD	: Audio		EXP	: Expander
AUTO	: Automatic		EXT	: External
AUX	: Auxiliary		<u> </u>	. CALCITION
			_	
	. Bana	F	F	: Farad, Fuse
В	: Base		F ADV	: Frame Advance
BAL	: Balance.		FDP	: Fluorescent Display Panel
BATT	: Battery		FE	: Full Erase
BFP	: Burst Flag Pulse		FET	: Field Effect Transistor
BIT	: Binary Digit		FF	: Fast Forward
BLK	: Black, Blanking		, ,	Flipflop
BLU	: Blue		FG	: Frequency Generator
BILING	: Bilingual		FM	•
BPF	: Bandpass Filter			: Frequency Modulation
	: Brake		FMA	: FM Audio
BRK			FR	: Full Recording, Frame, Fusible Resisto
BRN	: Brown		FREQ	: Frequency
BT	: Band Tuning		F-V CONV	: Frequency to Voltage Converter
BUFF	: Buffer		FWD	: Forward
BW or B/W	: Black and White		FWD S	: Forward Search
С	: Capacitance, Collector, Color	G	G	: Green, Gate, Grid
CAP	: Capstan, Capacitor	•	GEN	: Generator
CAR	: Carrier		GND	: Ground
CARR	: Carrier			
CASS	: Cassette		GRN	: Green
			GRY	: Gray
CCD	: Charge Coupled Device			
ССТ	: Circuit	н	н .	: High, Henry, Hour
CD	: Count Down	- •	HG	: Hall Generator
CE	: Chip Enable		HPF	: Highpass Filter
CF	: Ceramic Filter		Hz	: Herz
CH	: Channel		114	, , 1014
CHG	: Charge			
CHROMA	: Chrominance	1	IC	: Integrated Circuit
CLK	: Clock		ID	: Identification (Pulse)
CLR	: Clear		IF	: Intermediate Frequency
			IFR	: Infrared
CMD	: Command		IFT	: Intermediate Frequency Transformer
CNT	: Count, Counter		IND	: Indicator
COL	: Color		INH	: Inhibit
СОМ	: Common		INS	: Insert
COMB	: Combination			
	Comb Filter		INT	: Internal, Interrupt
COMP	: Comparator		INV	: Inverter
JJ1111	Composite		1/0	: Input/Output
	•		IR	: Infrared
00***	Compensation		***************************************	
CONN	: Connector	L	L	: Low, Left
	: Converter	-	LIM	: Low, Left : Limiter
CONV	. Ciancia Bassassa			
	: Circuit Protector			
CONV	Clamp Pulse		LIN	: Linearity
CONV			LOAD	: Loading (Cassette)
CONV CP	Clamp Pulse			·

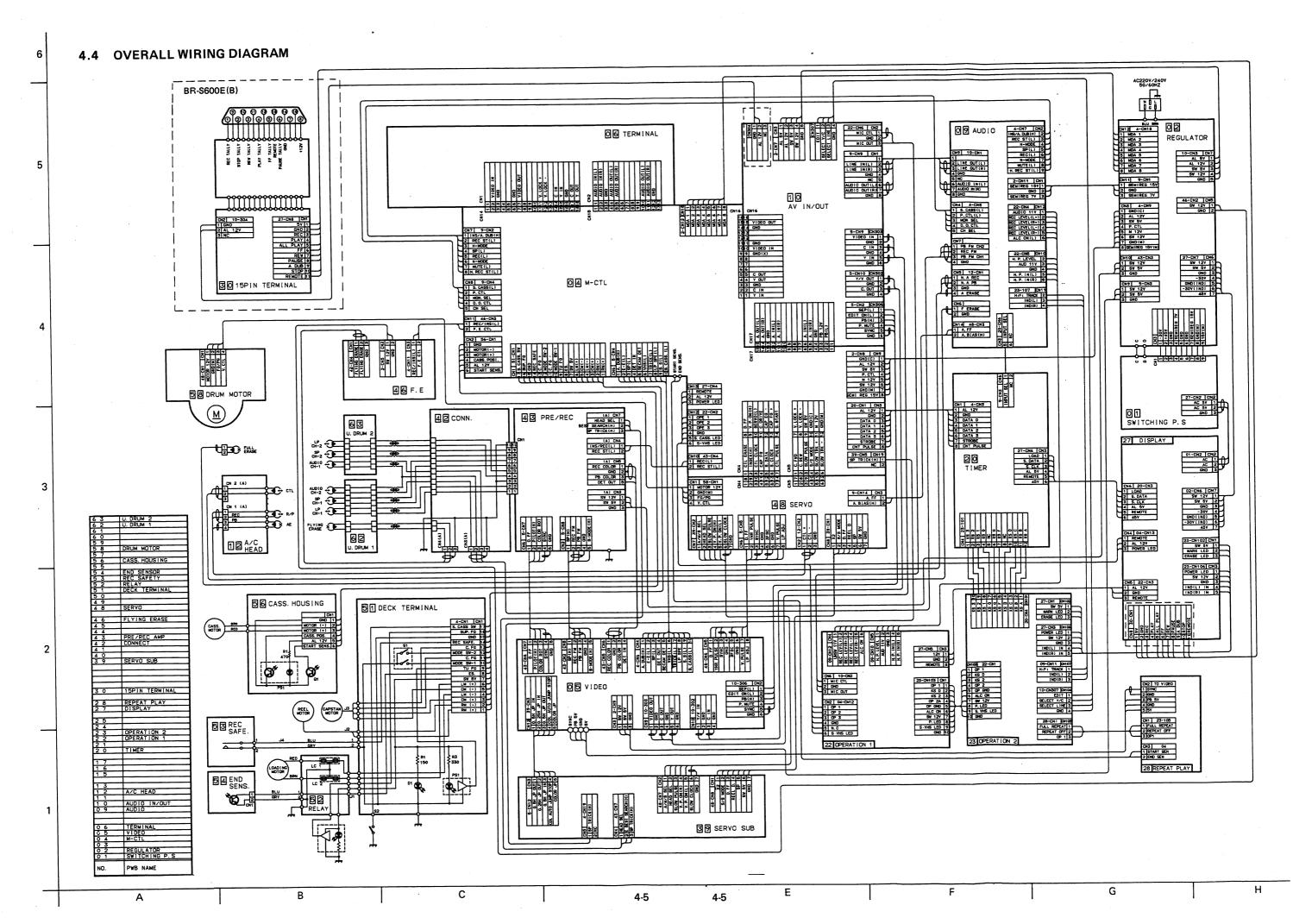
					_
М	М	: Motor, Mega		SHARP	: Sharpness
	MAX	: Maximum		SN	: Signal to Noise Ratio
	MDA	: Motor Drive Amplifier		SOL	: Solenoid
	MECHACON	: Mechanism Control		SP	: Standard Play
	MI	: Multiintroduce		SREV	: Search Reverse
				SREW	: Short Rewind
	MIC	: Microphone		S/S	: Slow/Still
	MIN	: Minimum			
	MIX	: Mixer, Mixing		SSG	: Sync Signal Generator
	MMV	: Monostable Multivibrator		SSNS	: Start Sensor
	MOD	: Modulation, Modulator		STD	: Strobe Data, Standard
	MODEM	: Modulator-Demodulator		SUP	: Supply
	MON	: Monitor		SW	: Switch
				SWD	: Switched
	MPX	: Multiplexer, Multiplex		SYNC	: Synchronization
	MS	: Mode Select		STNC	. Synchronization
N	NAND	: Not-And	T	TF	: Thermal Fuse
•••	NC	: Not Connected, Normally Closed		TIM	: Timing
	NFB	: Negative Feedback		TK	: Tracking
				TNR	: Tuner
	NLN	: Non-Linear			
	NO	: Normally Open		TP	: Test Point
	NOR	: Normal, Not-Or		TPZD	: Trapezoid
	NR :	: Noise Reduction		TR	: Transistor, Trimmer
				TRANS	: Transformer
_	00	Onemaion		TU	: Take-up
0	OP	: Operation		10	. rake up
	OPAMP	: Operational Amplifier			
	ORN	: Orange	U	UL	: Unloading
	osc	: Oscillator		UNREG	: Unregulated
				UNSW	: Unswitched
_	00	. Dlauback		0.11011	. 011047101100
Ρ	PB	: Playback			
	PC	: Photocoupler, Pulse Counter	٧	V	: Vertical, Volt
	PCM	: Pulse Code Modulation		VCO	: Voltage Controlled Oscillator
	PG	: Pulse Generator		VD	: Vertical Drive
	PGM	: Program		VIF	: Video Intermediate Frequency
	PI	: Photo Interrupter		VLT	: Violet
	PIF	: Picture Intermediate Frequency			
				VR	: Variable Resistor
	PLA	: Programmable Logic Array		VS	: Video and Sync
	PLL	: Phase Locked Loop		V/T	: Video/Television
	POS	: Position		V/U	: VHF/UHF
	p-p	: Peak-to-Peak		VXO	: Variable Crystal Oscillator
	PREAMP	: Preamplifier			
	P/S	: Pause/Still			
	PSC	: Pulse Swallowing Control	W	W	: Watt
				W & D	: White and Dark
	PU	: Pickup		WHT	: White
	PUT	: Programmable Unijunction Transistor		•	
	PWM	: Pulse Width Modulation	~	VT 41	0
	PWR	: Power	. X	XTAL	: Crystal
Q	Q	: Quality Factor	Υ	Υ	: Luminance
_	<u> </u>	. Godiny ractor	•	YEL	: Yellow
_	•	Ded Blake			
R	R	: Red, Right			
	RA	: Resistor Array			
	RAE	: Random Access Enable			
	RAM	: Random Access Memory			
	REC	: Recording			
	REF	: Reference			
	REG	: Regulated, Regulator			
	REM	: Remote			
	REMOCON	: Remote Control (Unit)			•
	REV	: Reverse			
	REV S	: Reverse Search			
	REW	: Rewind			
	R/P	: Record/Playback			
	RPT	: Repeat			•
	RST	: Reset			
	RT	: Rotary Transformer			
	RUN	: Running			
	RY	: Relay			
			-		
_	C414:	Company Company And the 18/en-			
S	SAW	: Sawtooth, Surface Acoustic Wave			
	SC	: Subcarrier, Simulcast			•
	SCH	: Search			
	SEL	: Select, Selector			
	SENS	: Sensor			
	SEP	: Separator			
	SF	: Separator : Source Follower			
	SFF	: Short Fast Forward			
					,

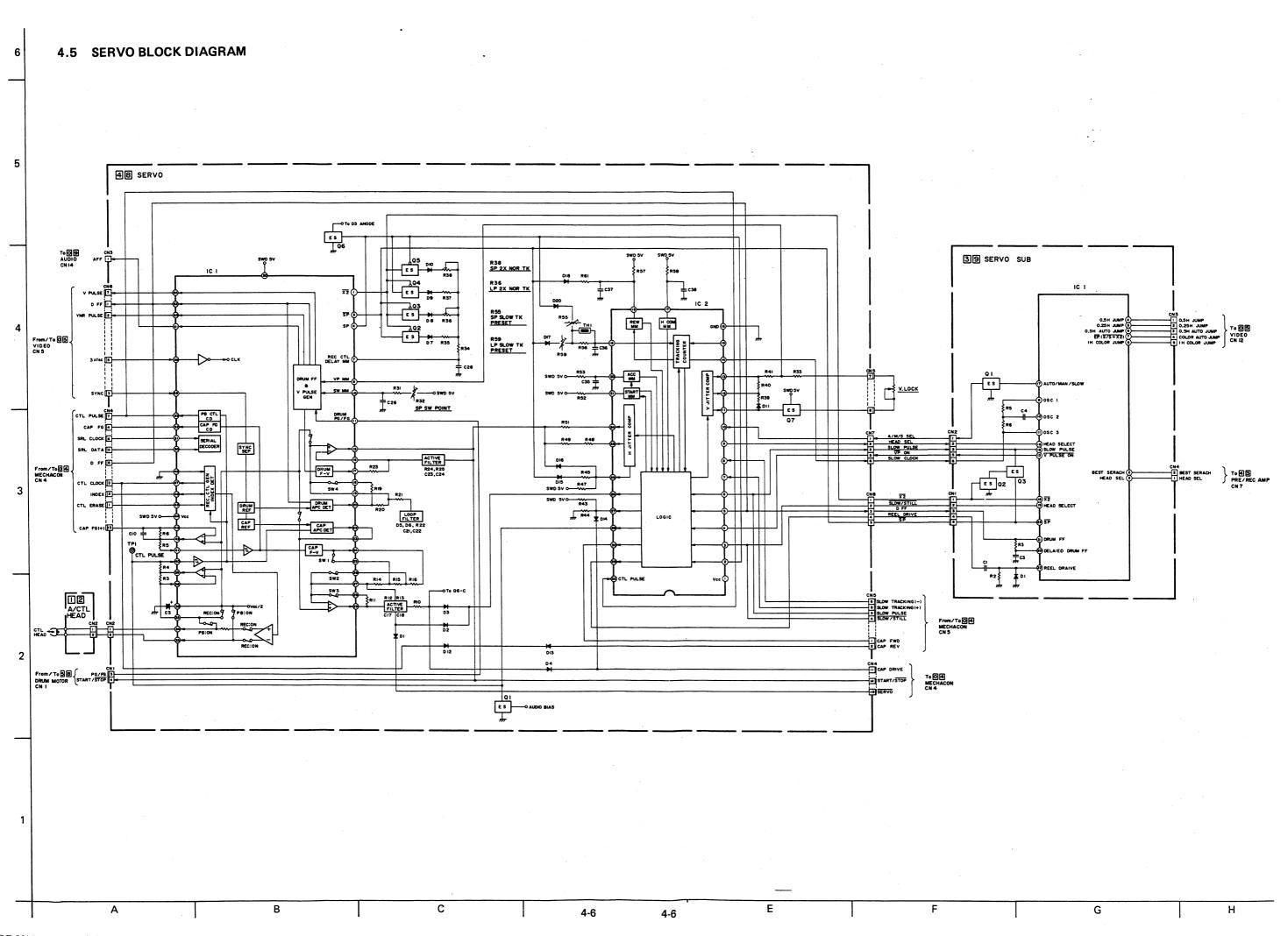


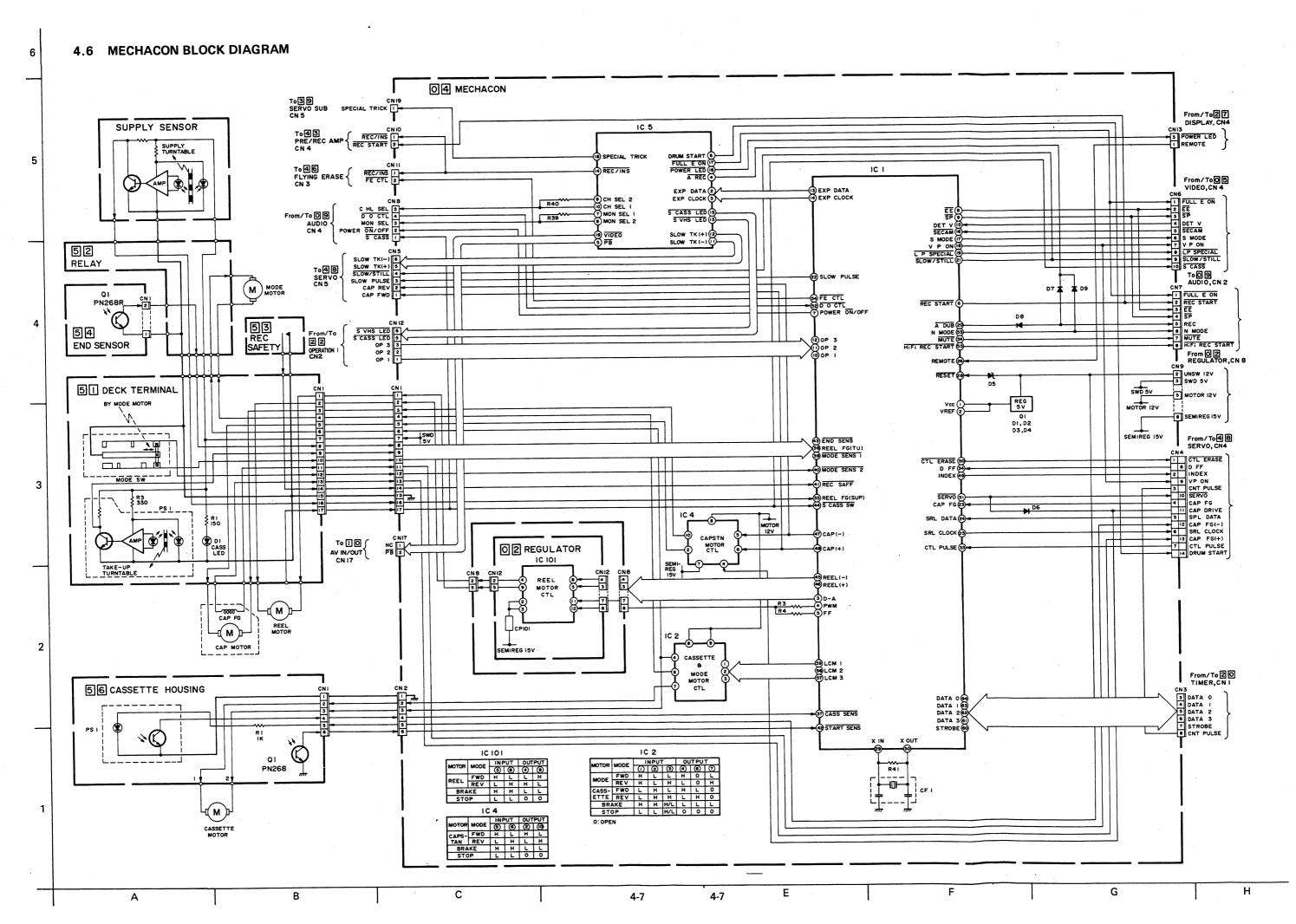


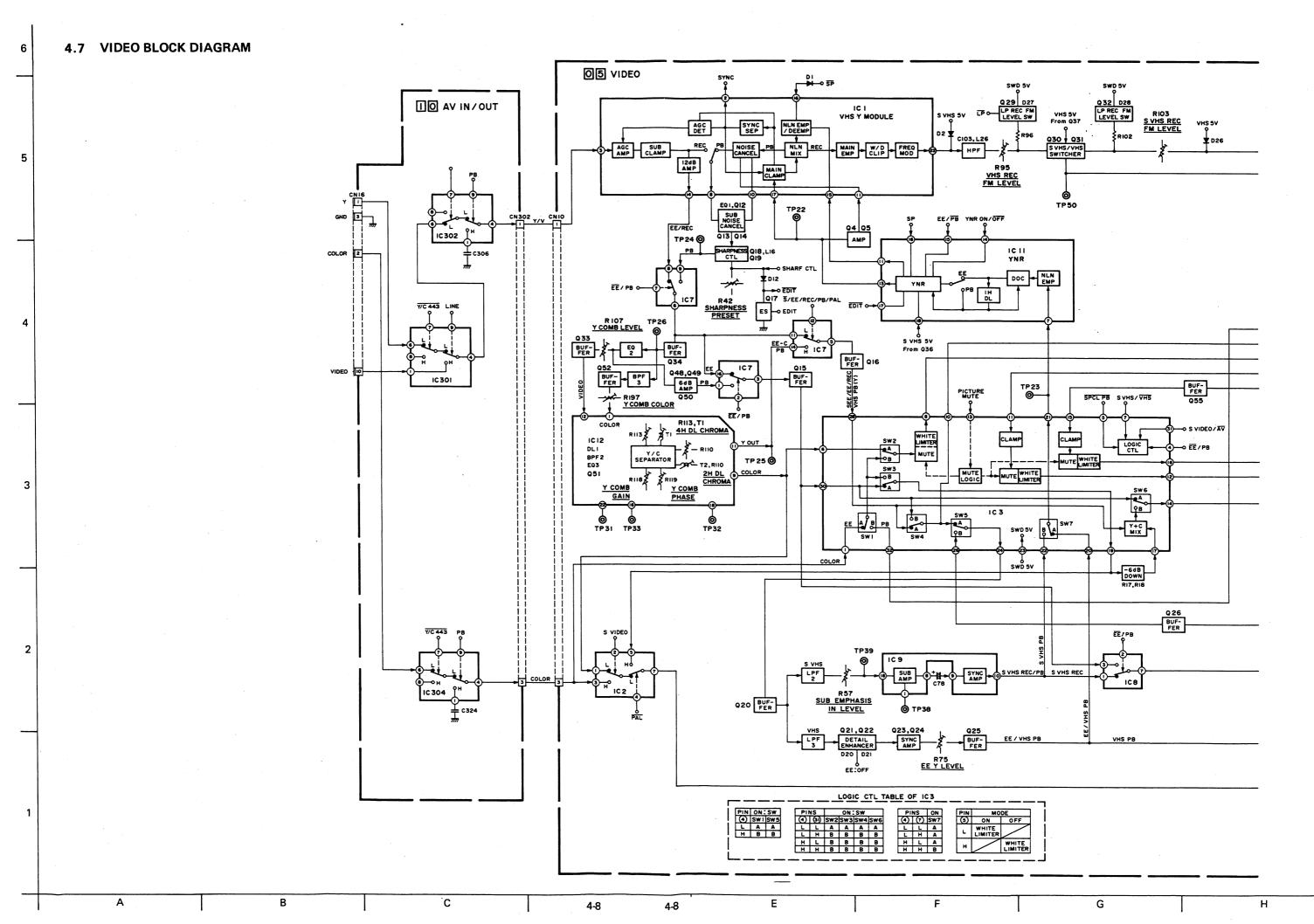


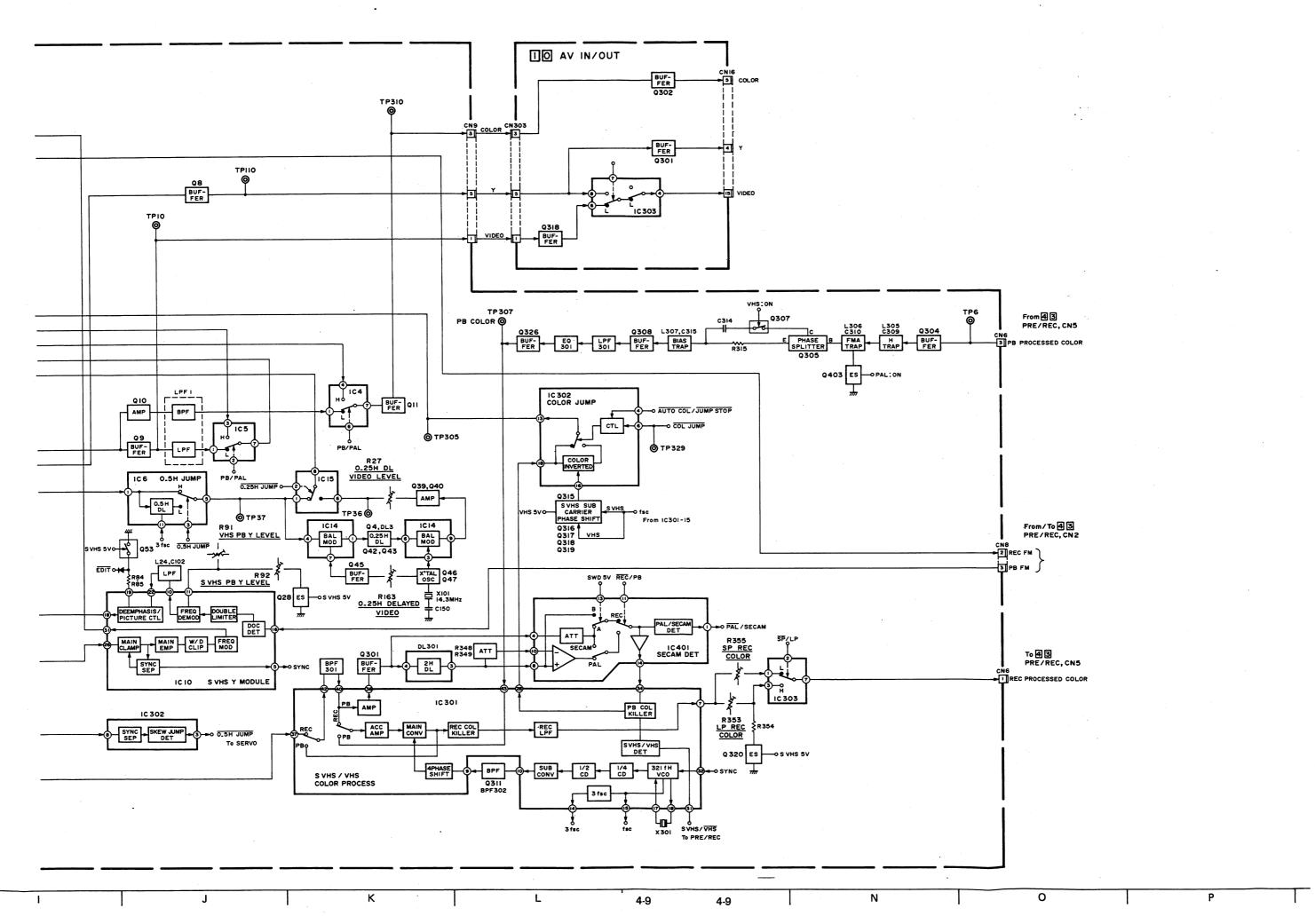


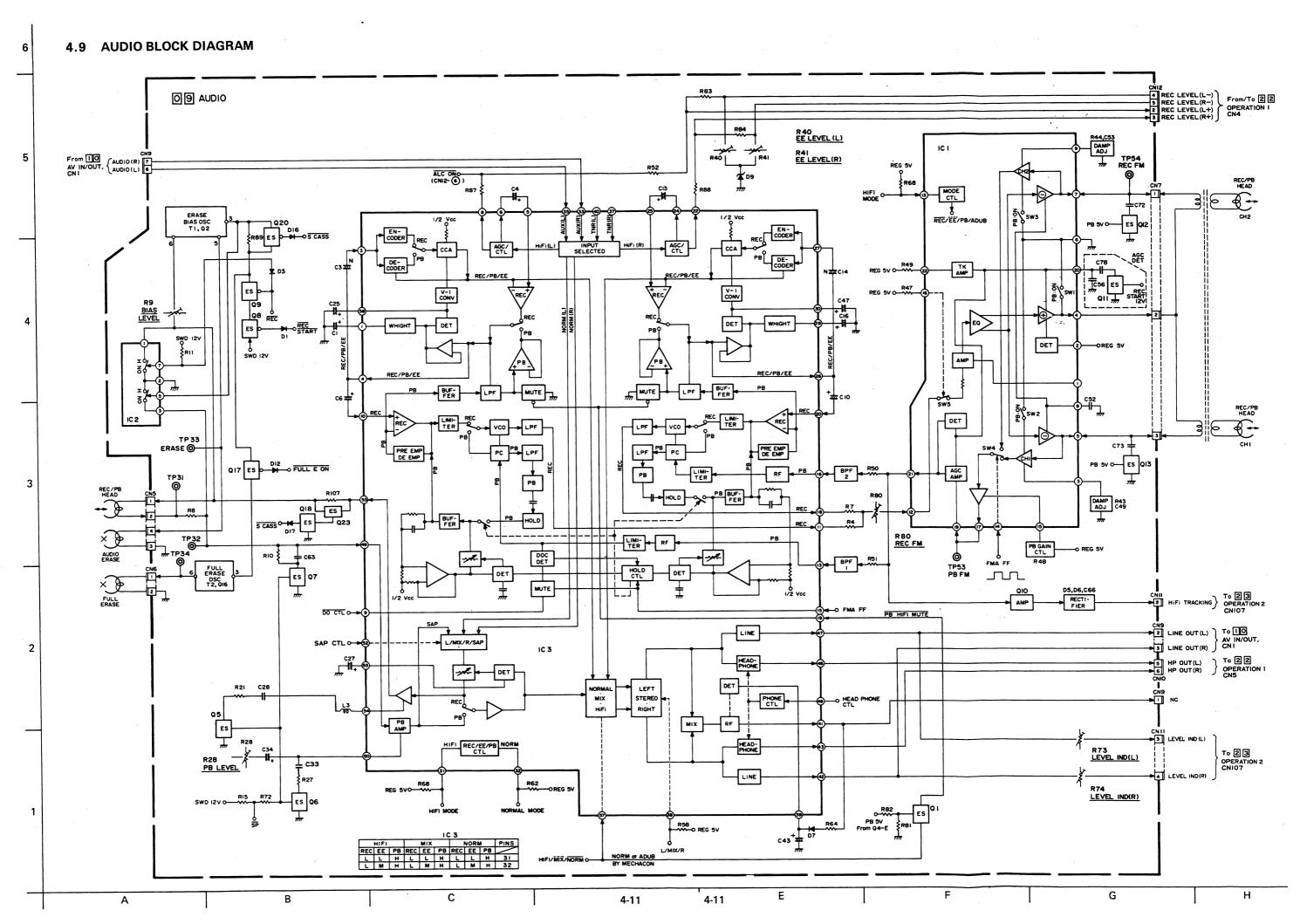


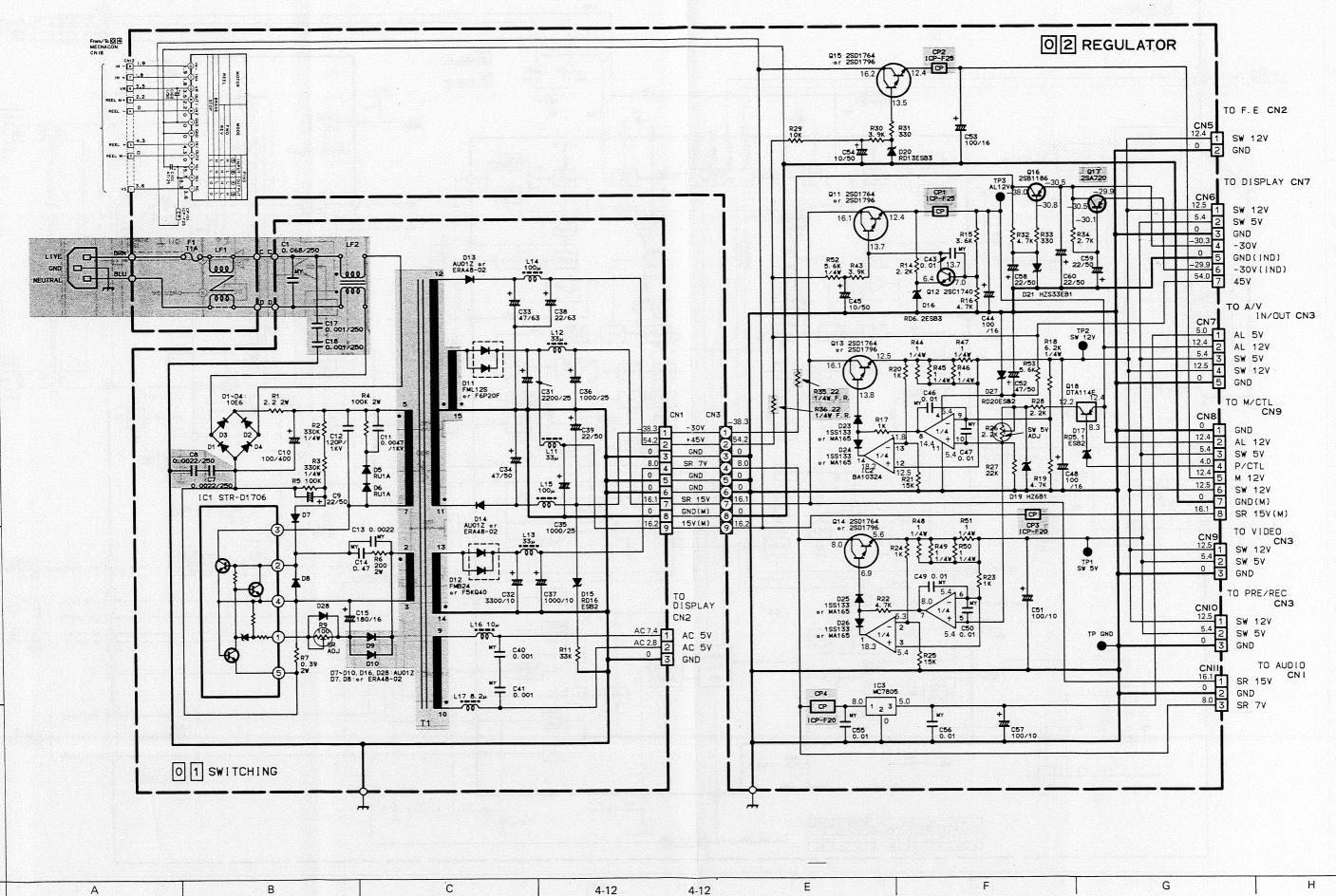


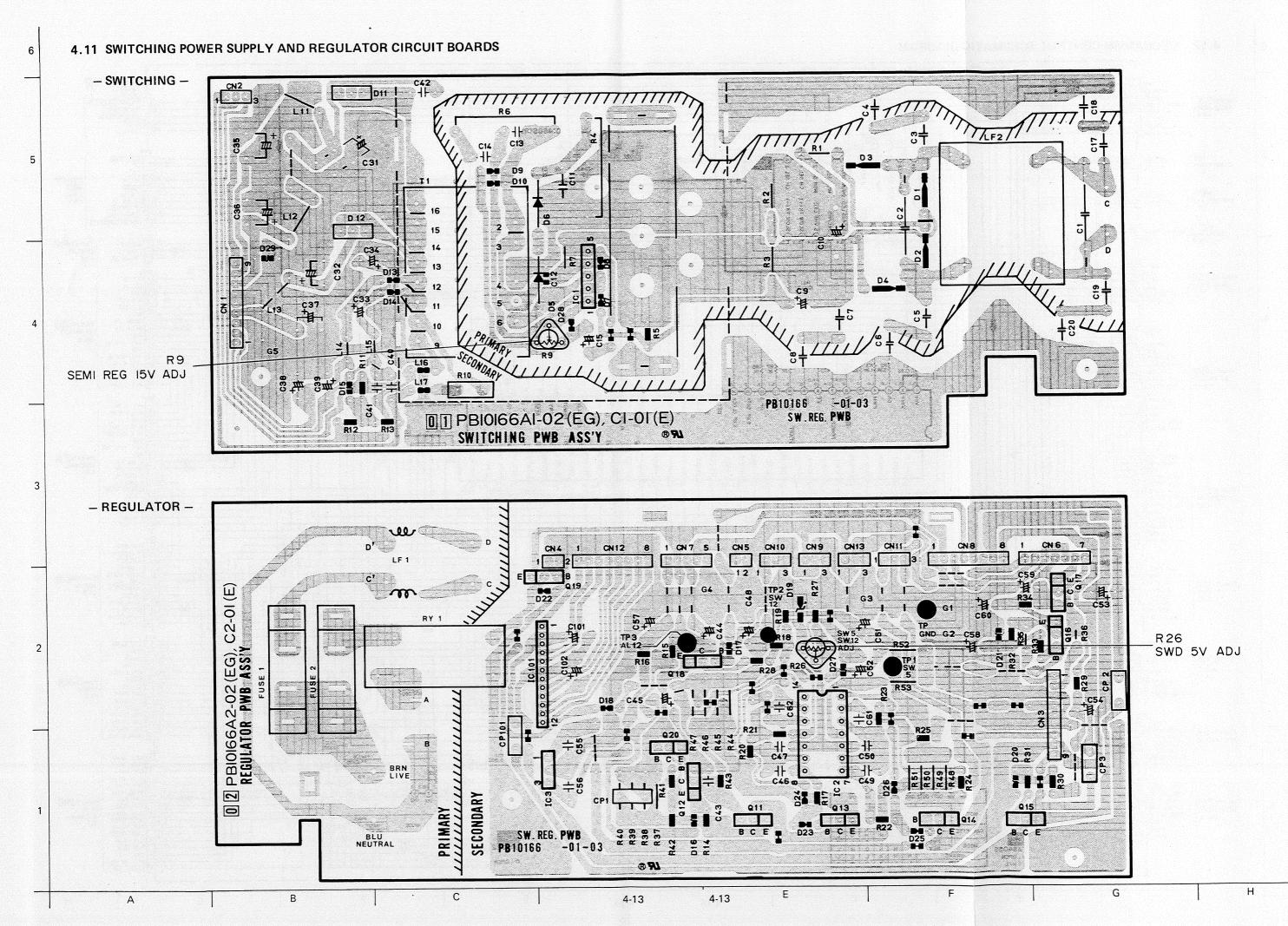


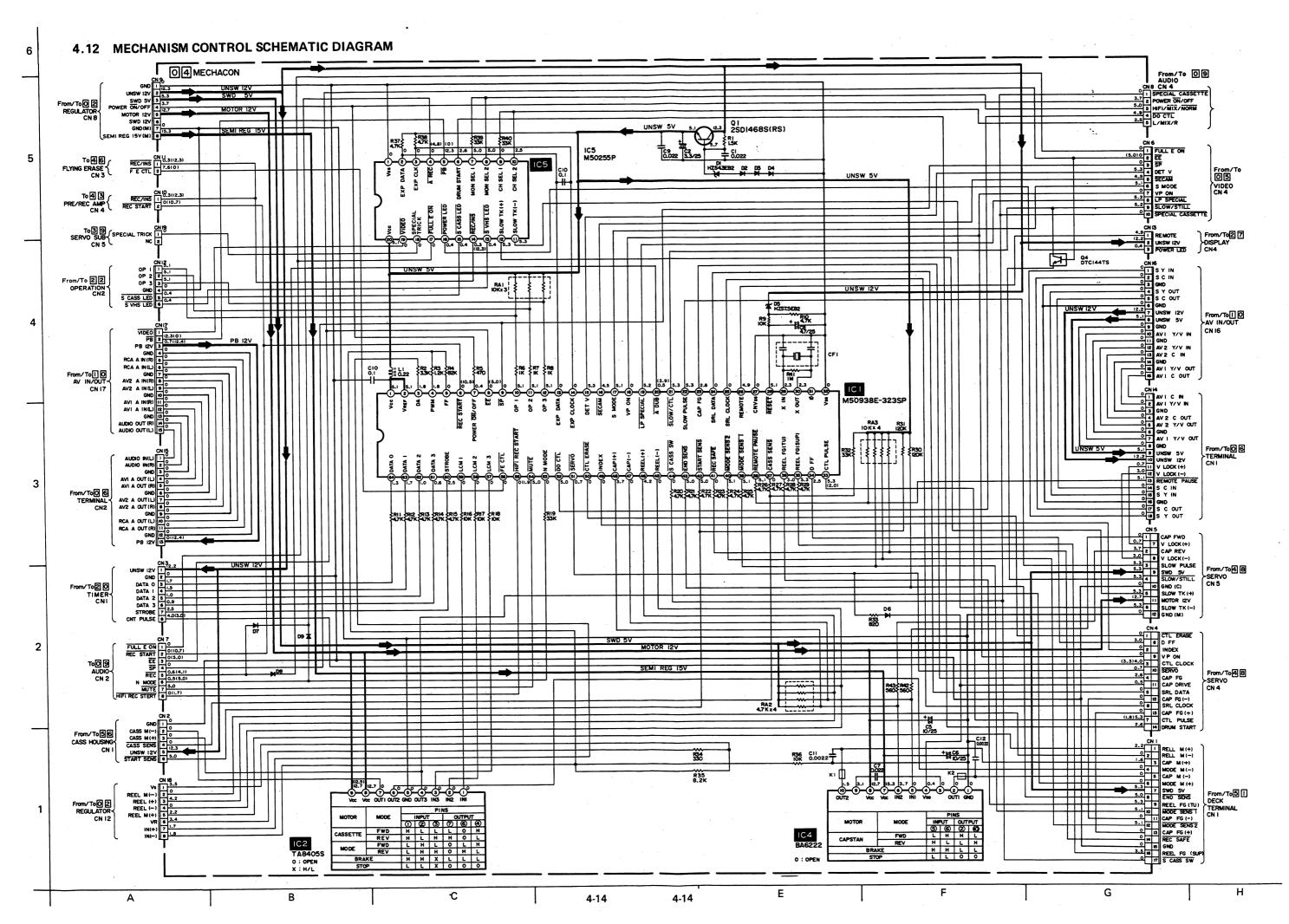


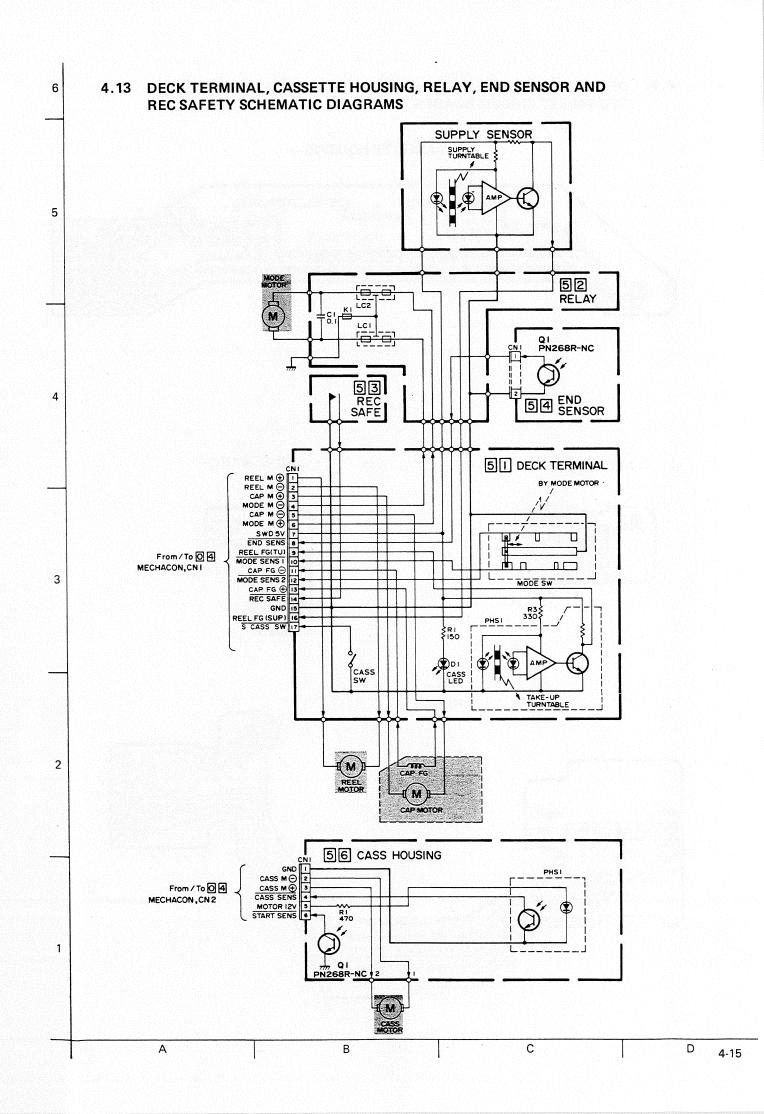






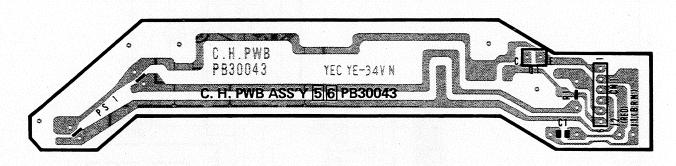






4.14 DECK TERMINAL, CASSETTE HOUSING, RELAY, END SENSOR AND REC SAFETY CIRCUIT BOARDS

- CASSETTE HOUSING -



- REC SAFETY -

6

5

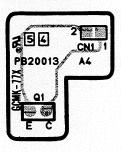
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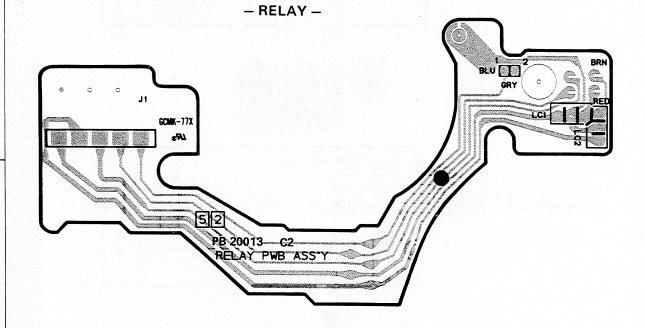
2

1



- END SENSOR -





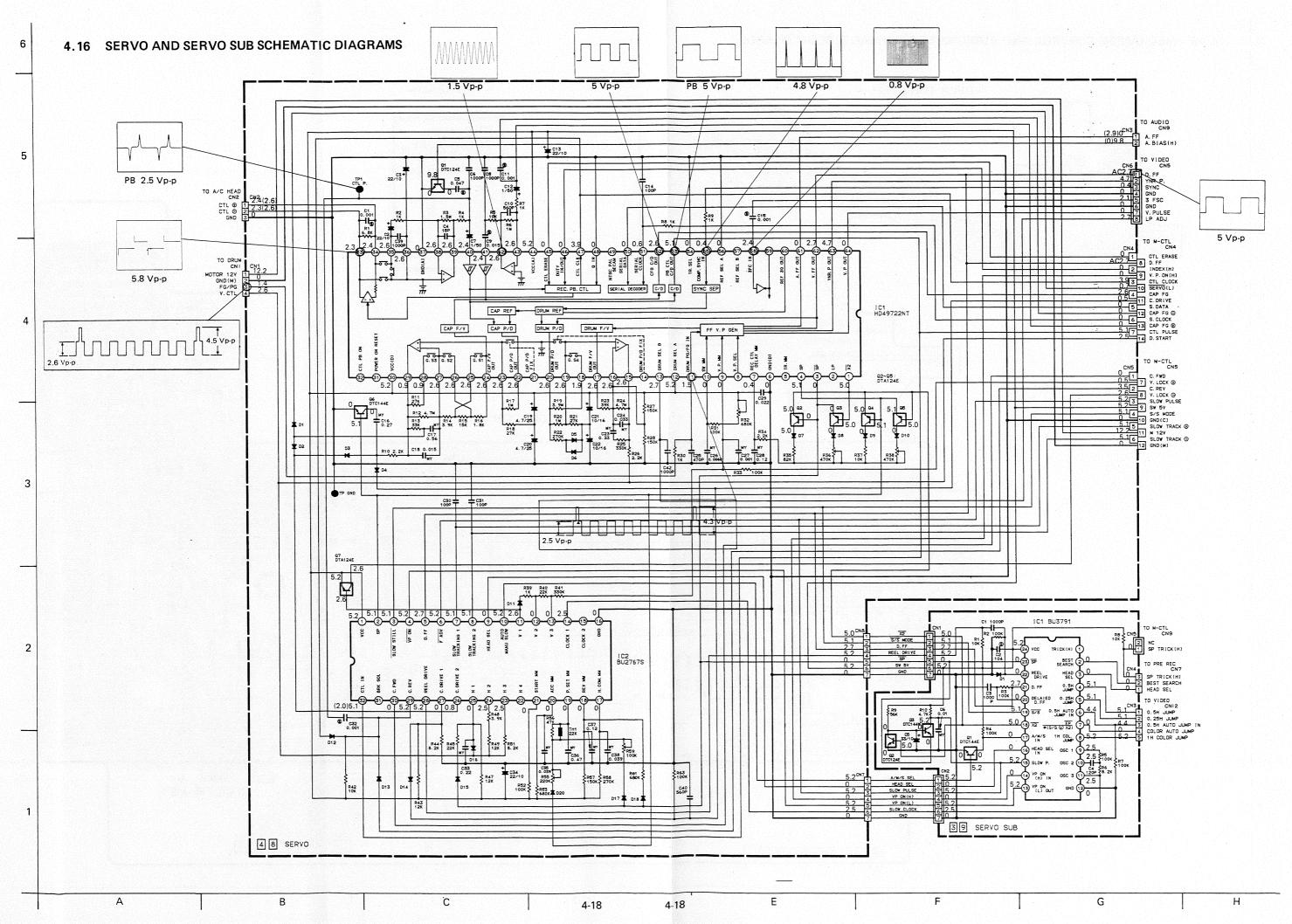
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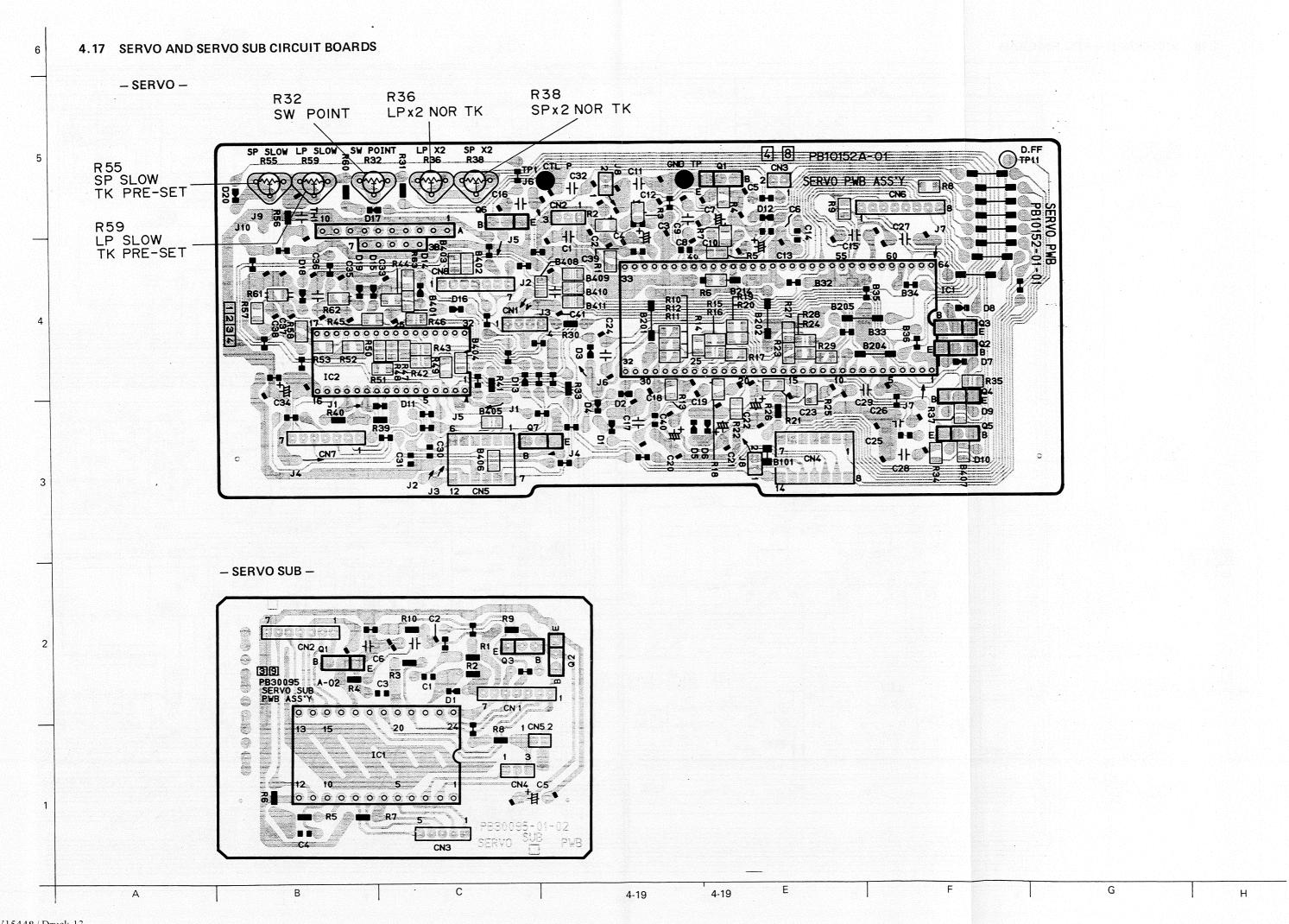
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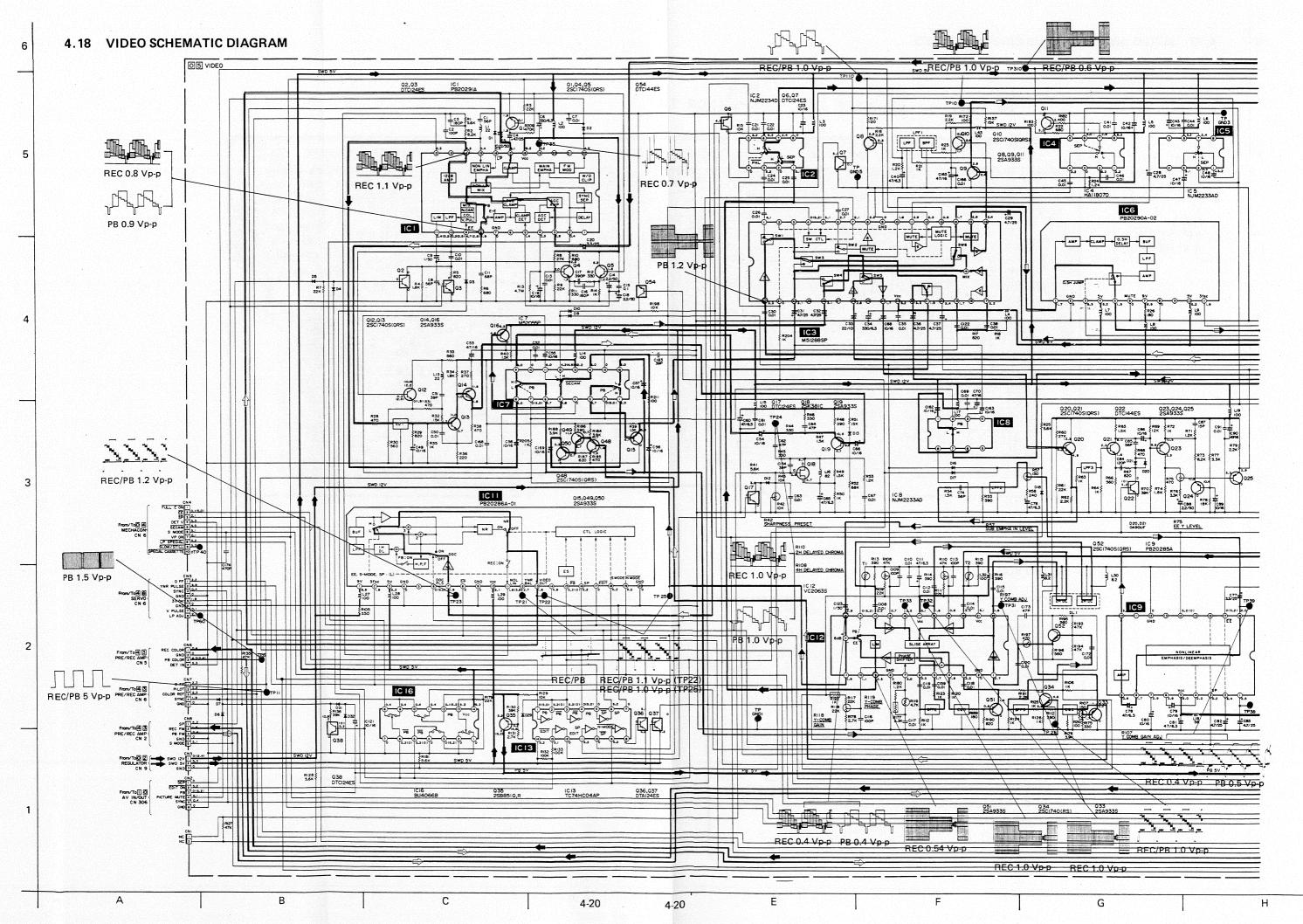
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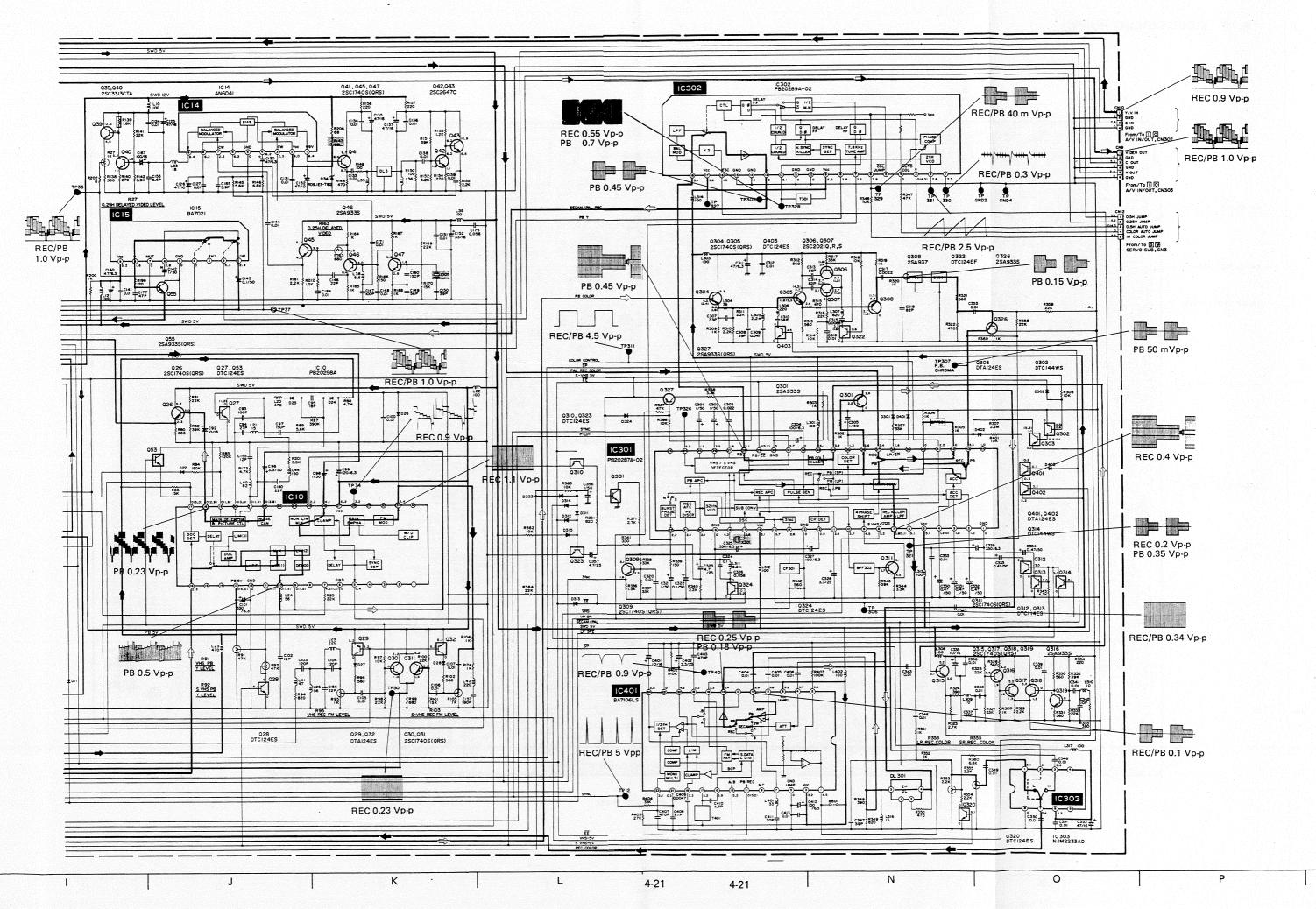
.С

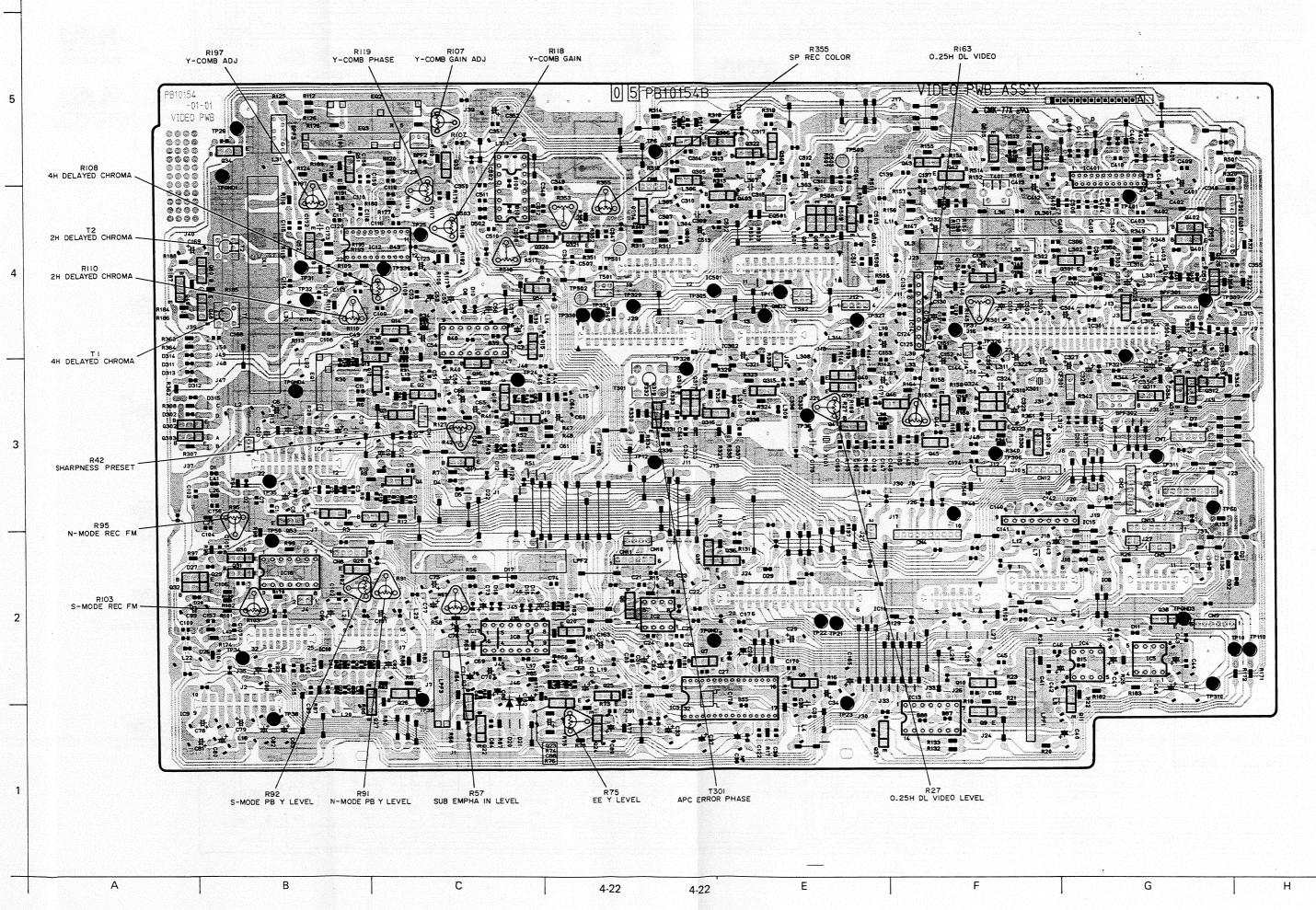
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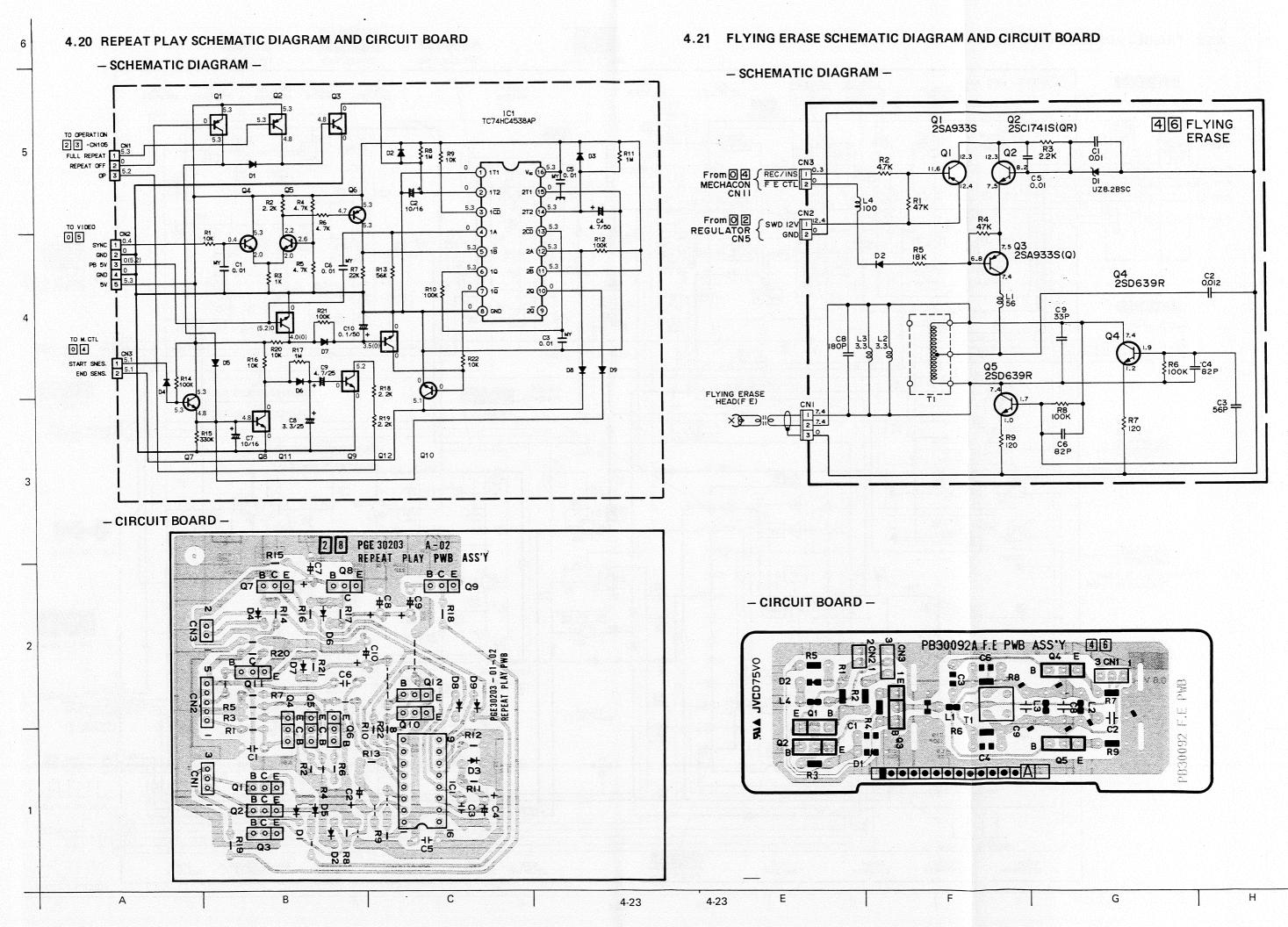


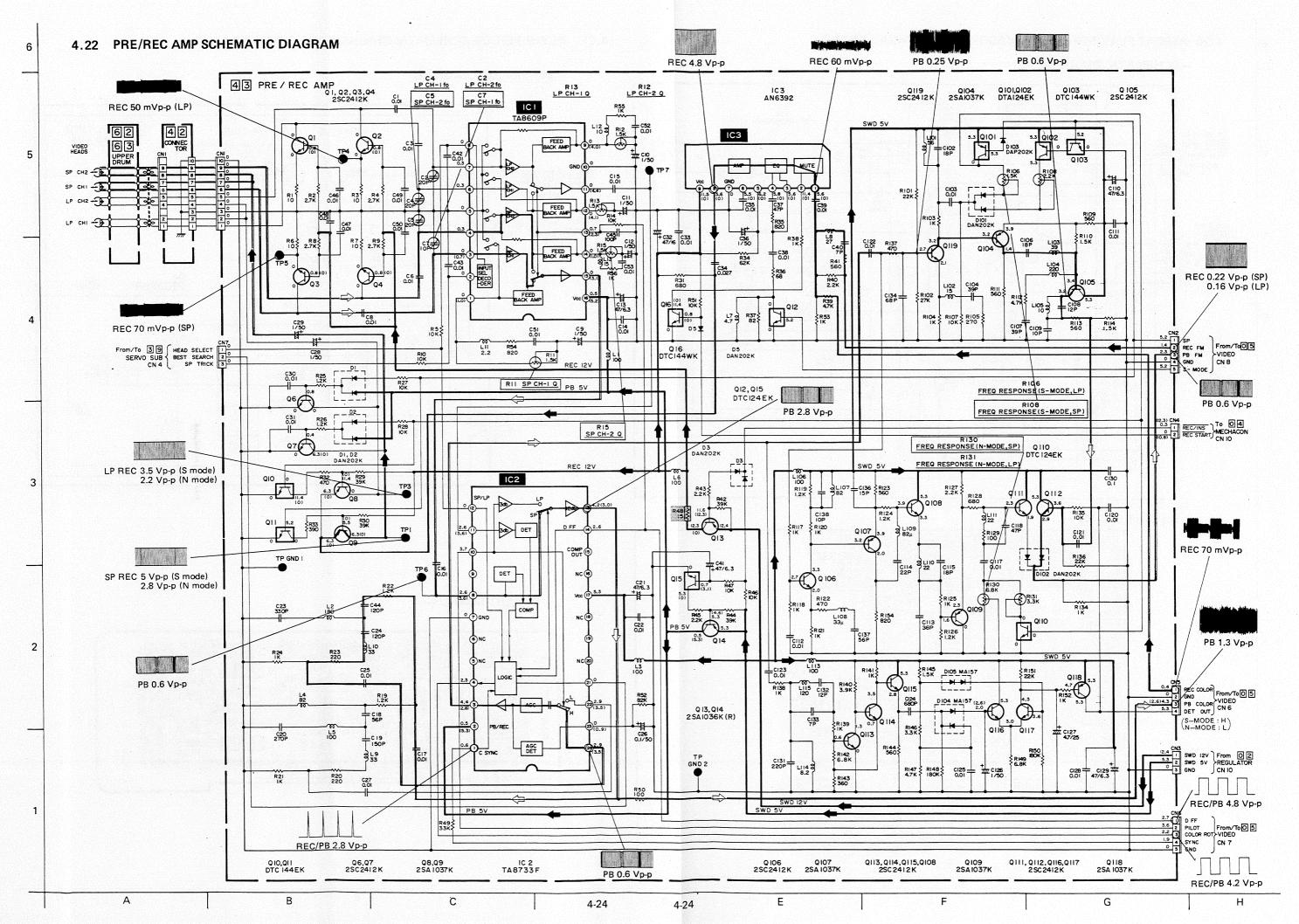


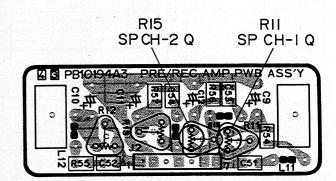




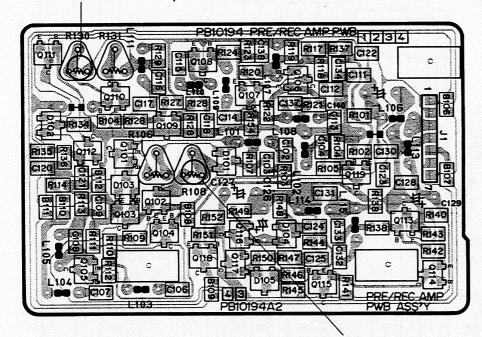






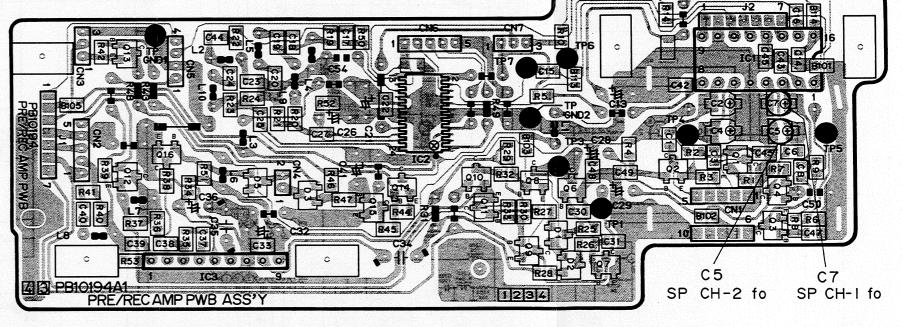


RI30 FREQ RES(N-MODE, SP)

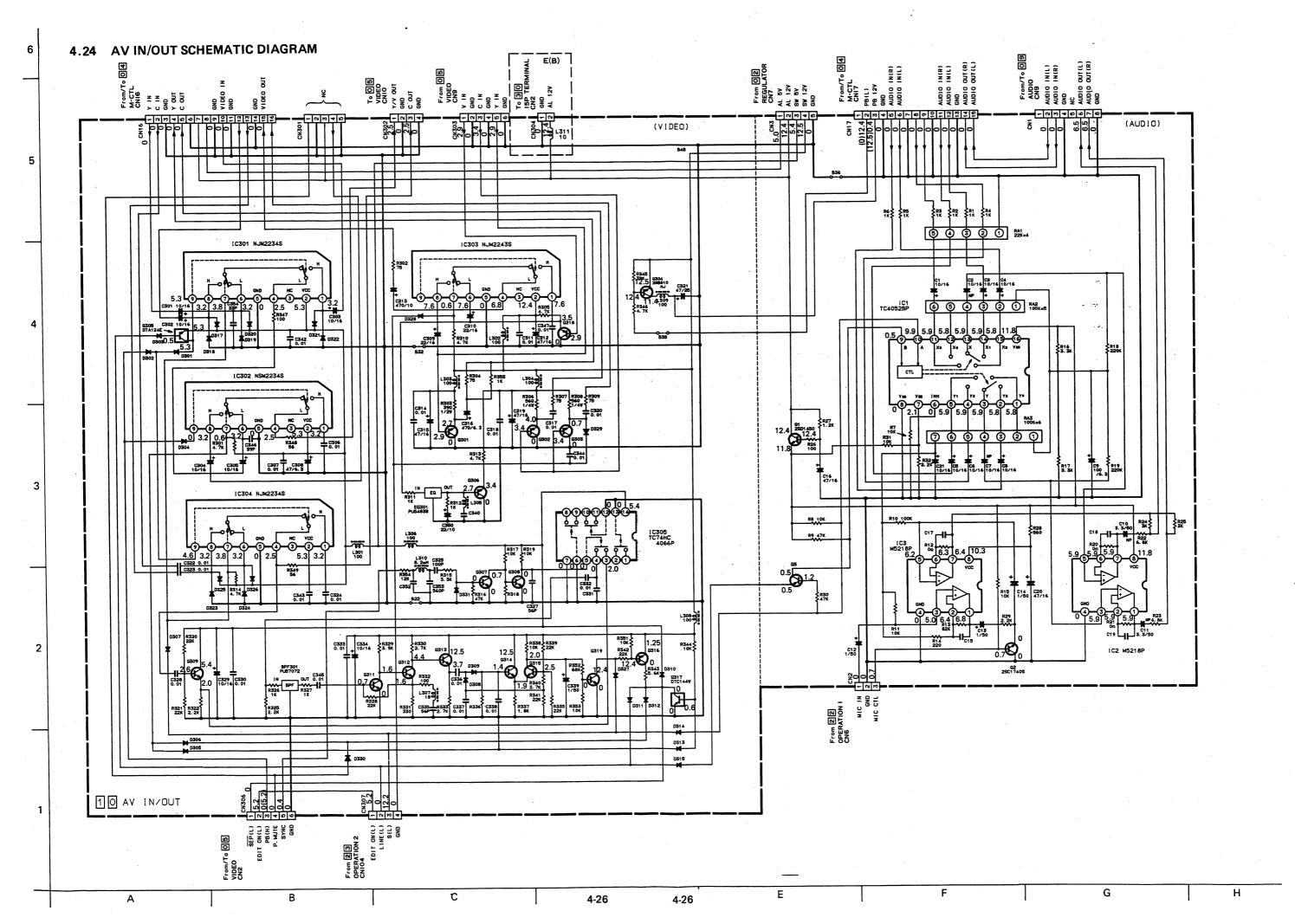


RIO8 FREQ RES(S-MODE, SP)

4-25

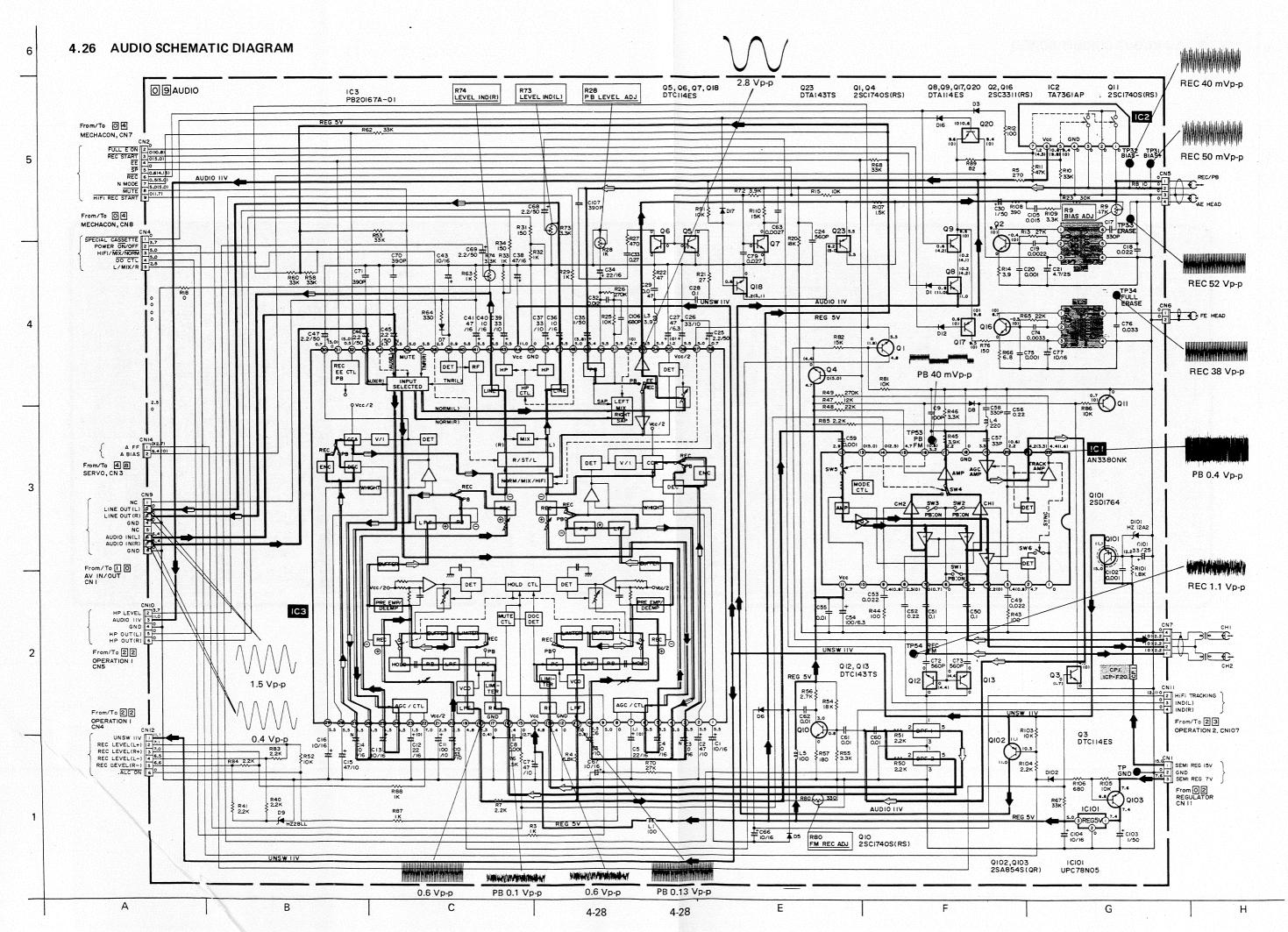


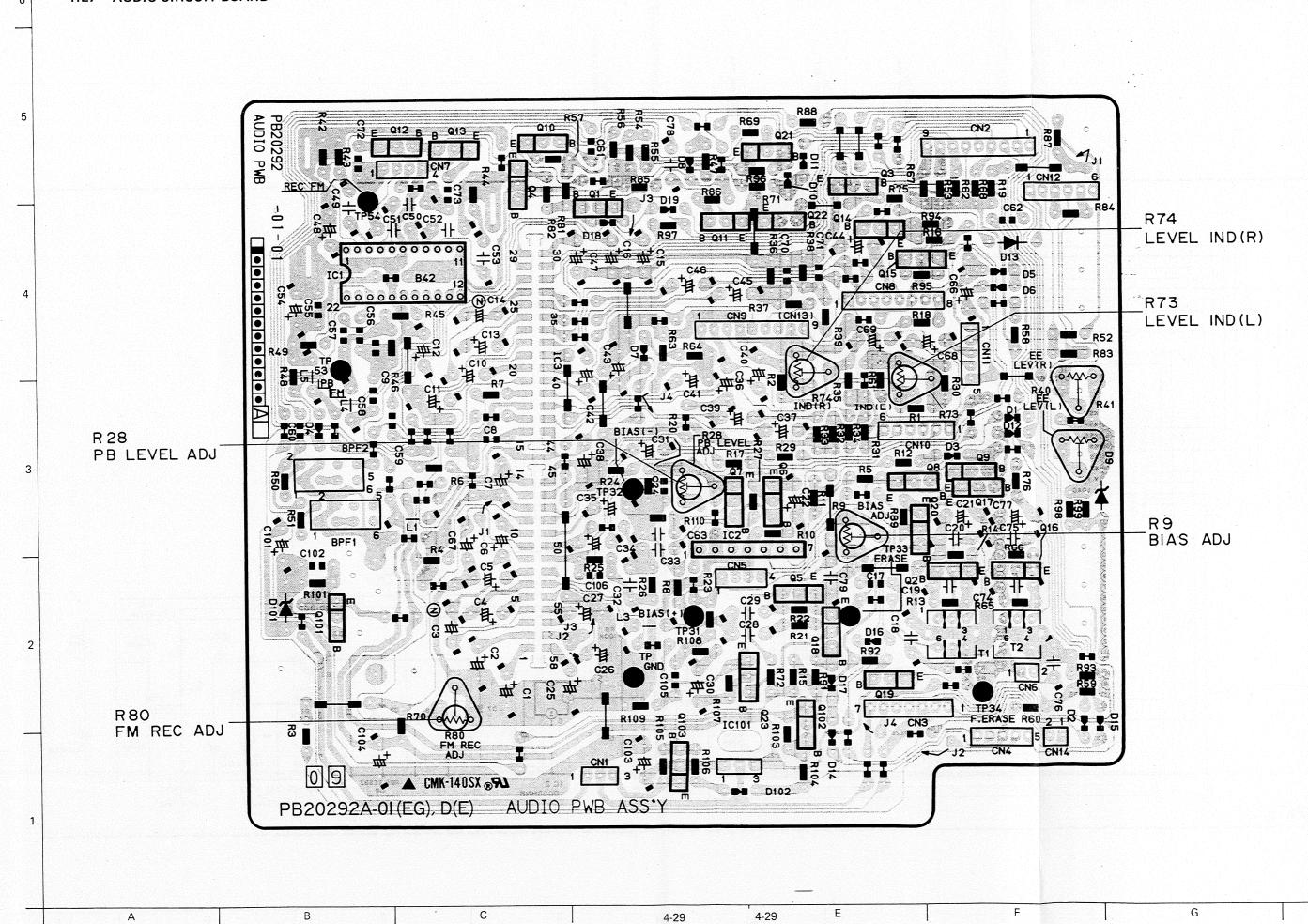
VIDE-V15448 / Druck 19

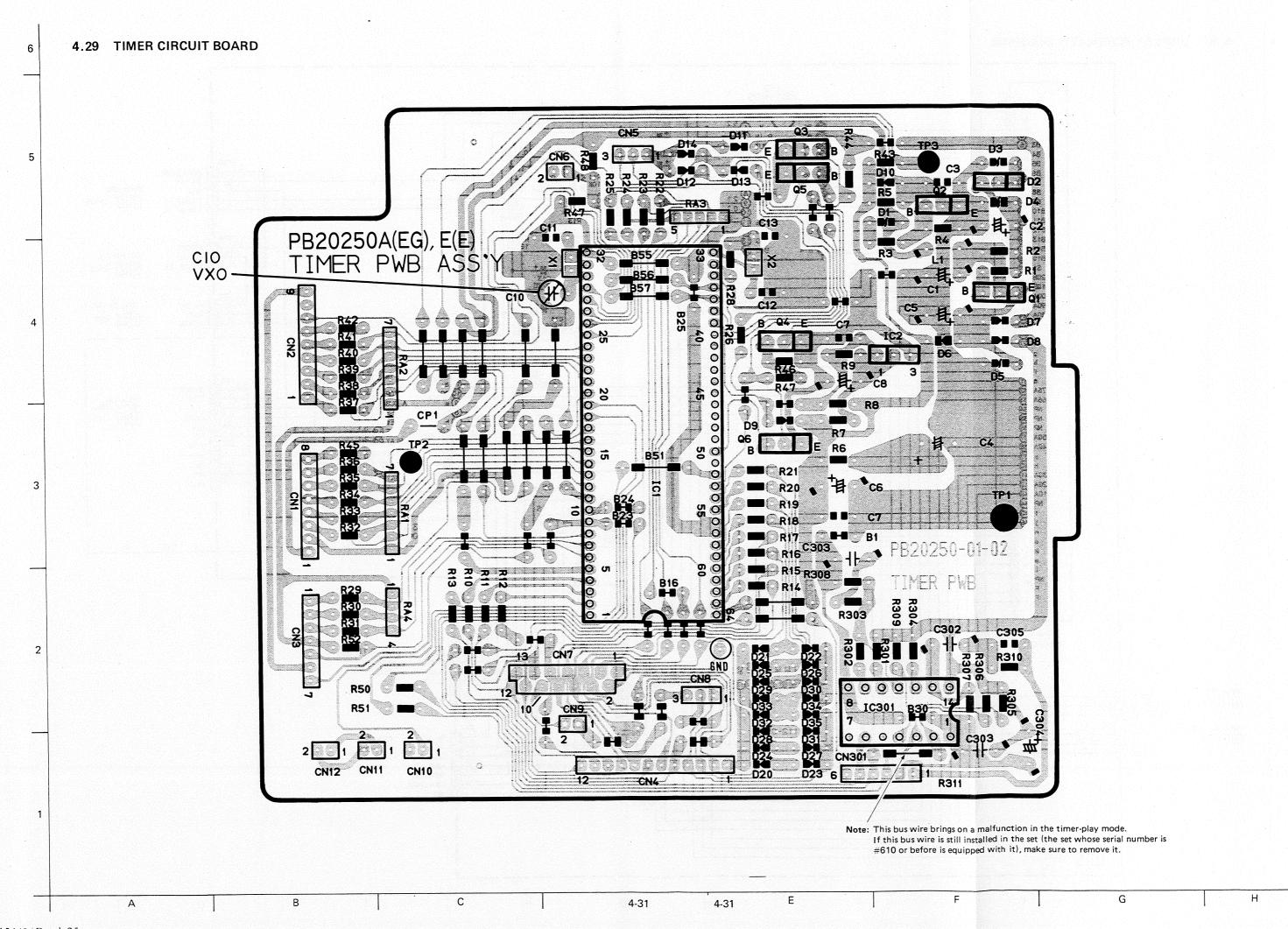


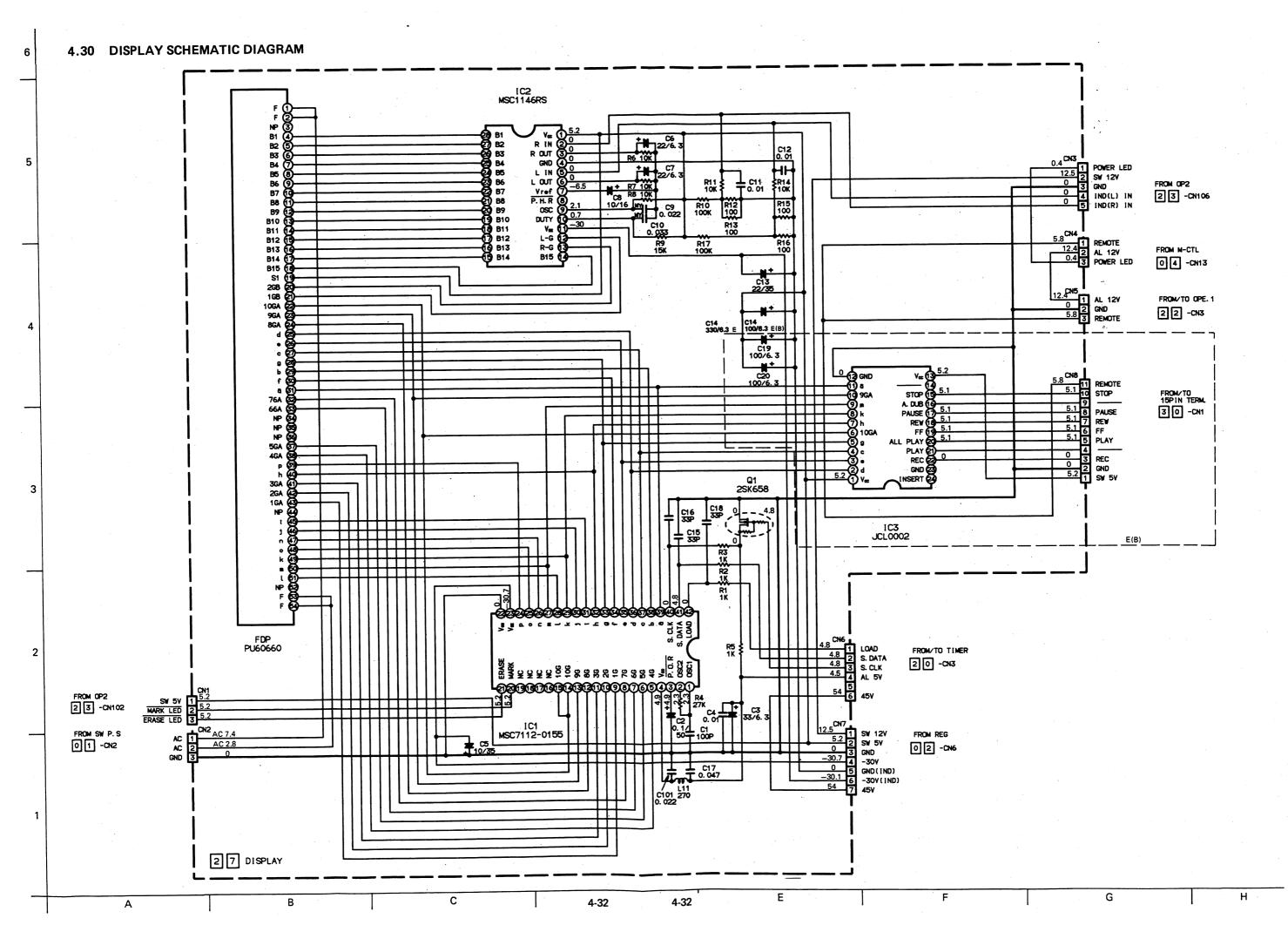
4-27

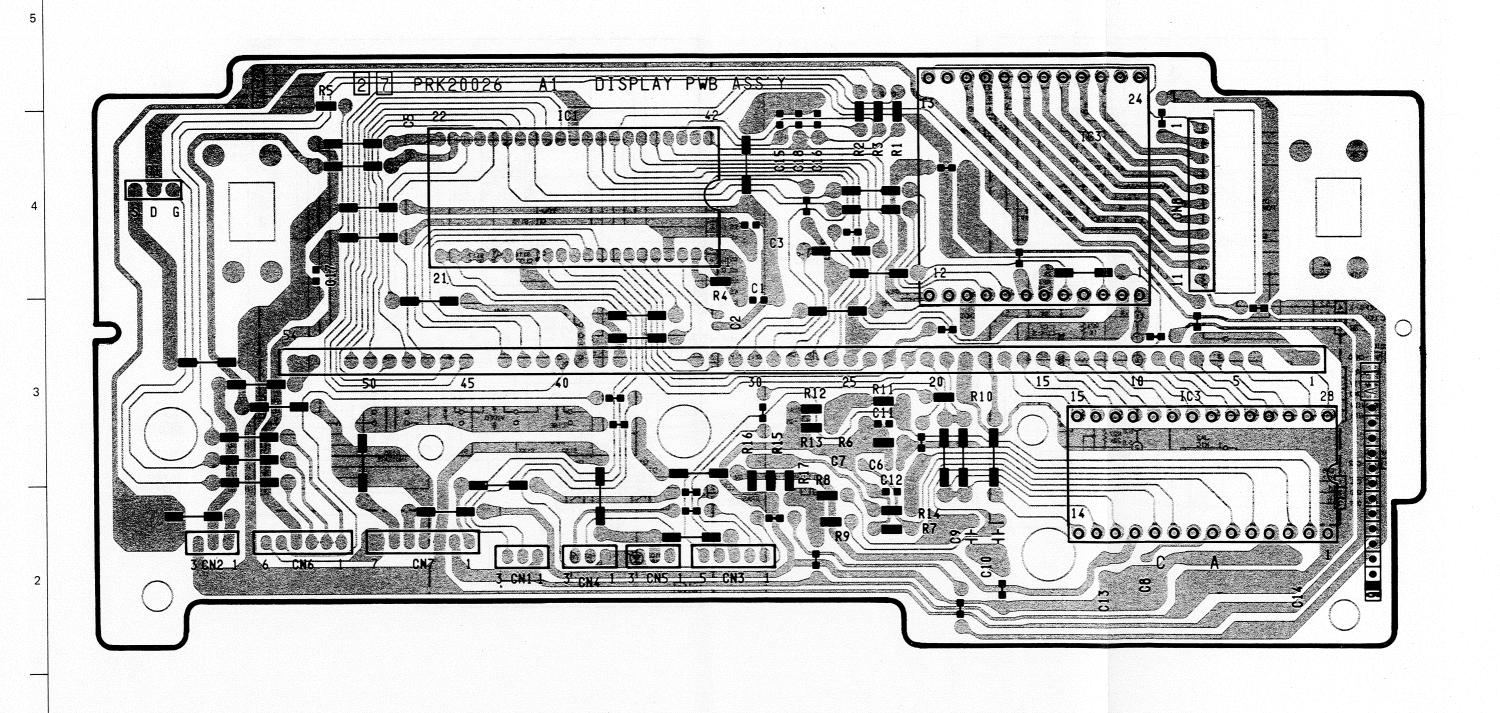
VIDE-V15448 / Druck 21



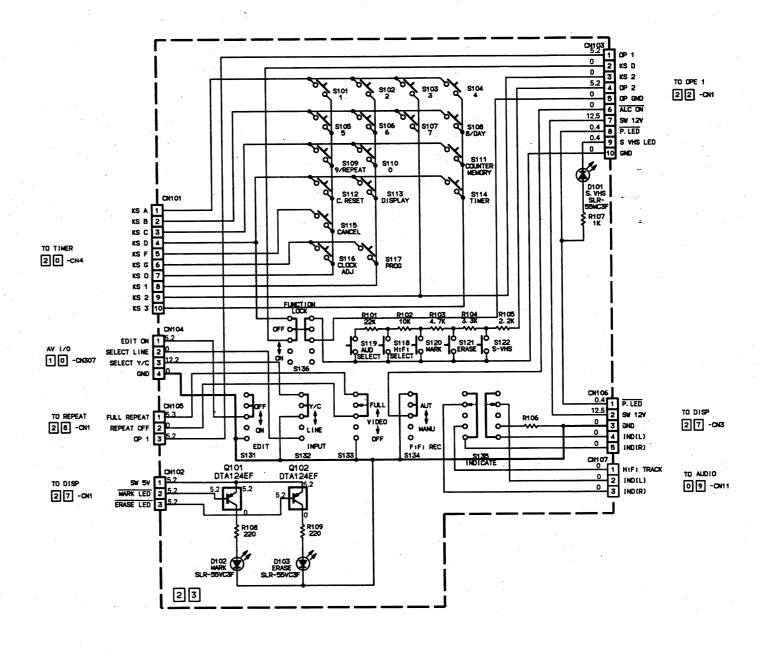








VIDE-V15448 / Druck 27

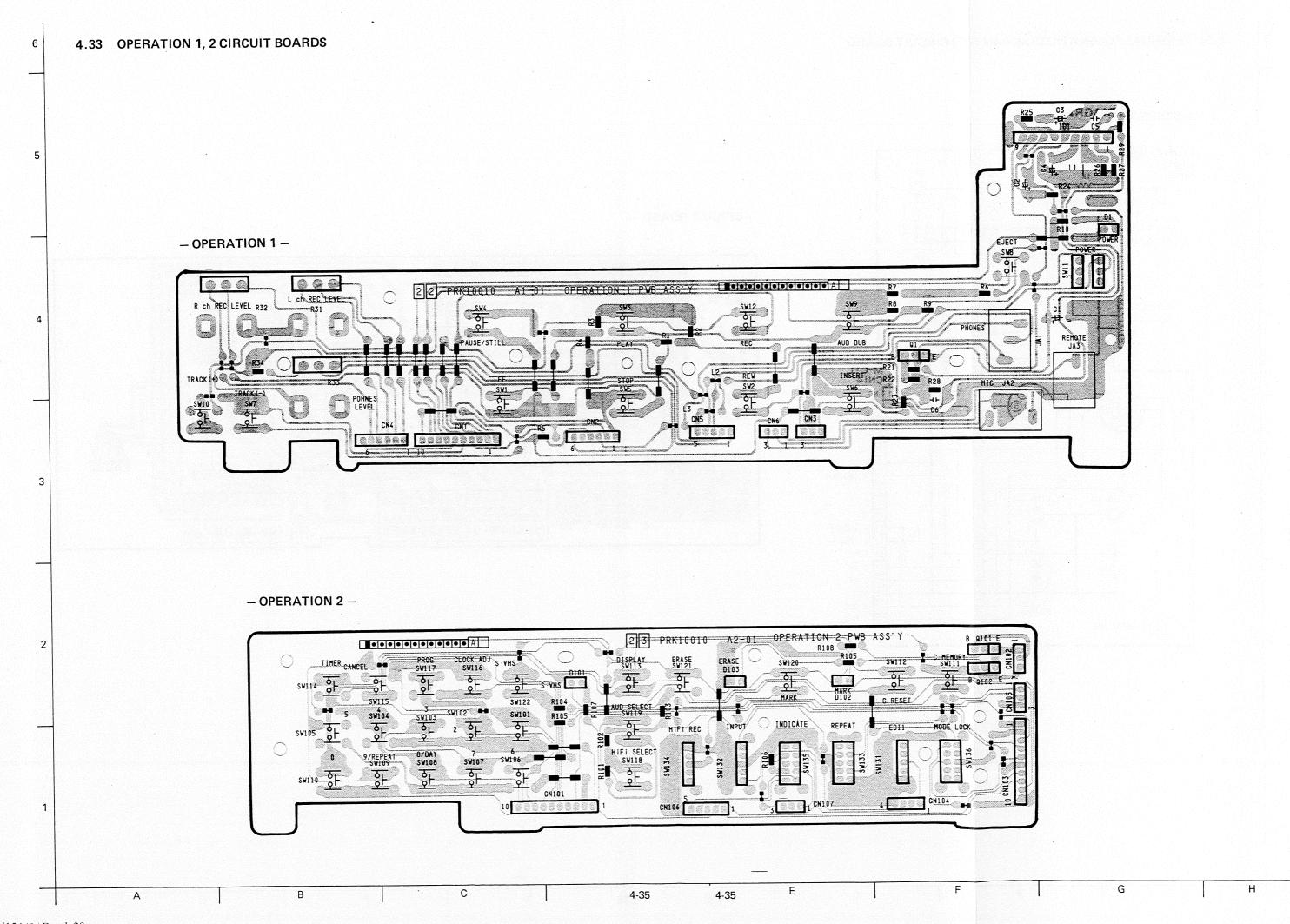


4-34

4-34

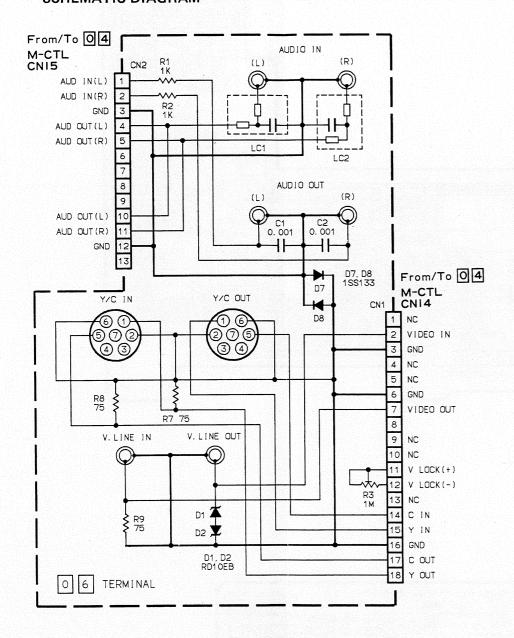
VIDE-V15448 / Druck 28

20

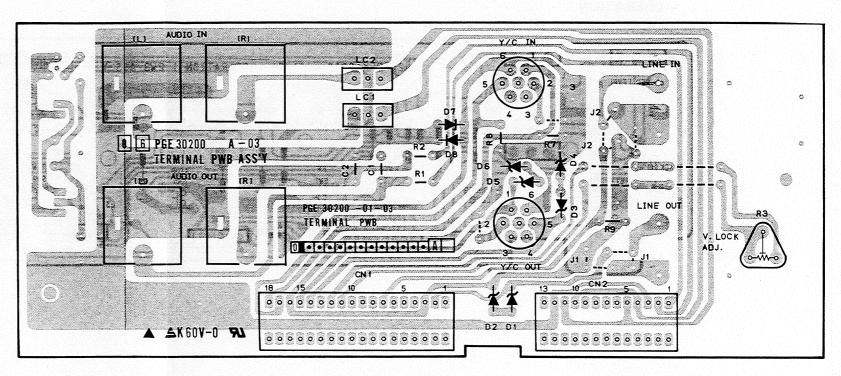


4.34 TERMINAL SCHEMATIC DIAGRAM AND CIRCUIT BOARD

- SCHEMATIC DIAGRAM -

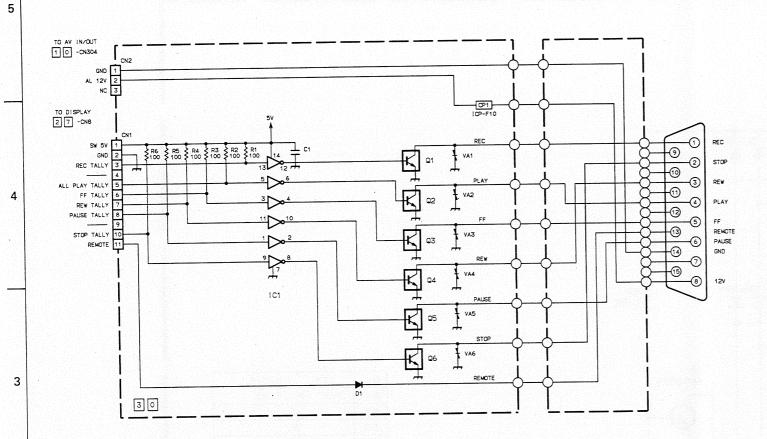


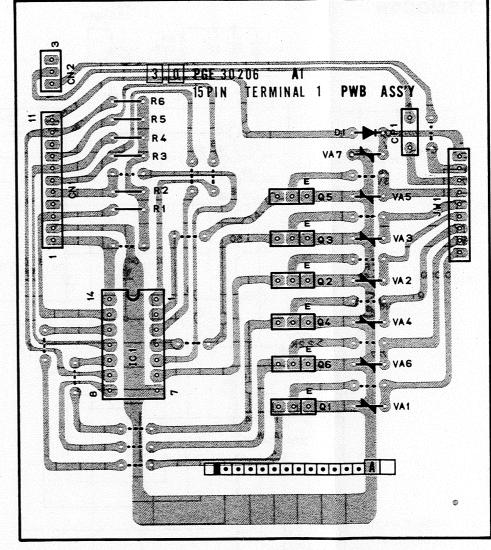
- CIRCUIT BOARD -



4.35 15 PIN TERMINAL SCHEMATIC DIAGRAM AND CIRCUIT BOARD

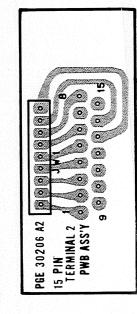
Note: The following circuit diagram and circuit board show BR-S600E(B).





4-37

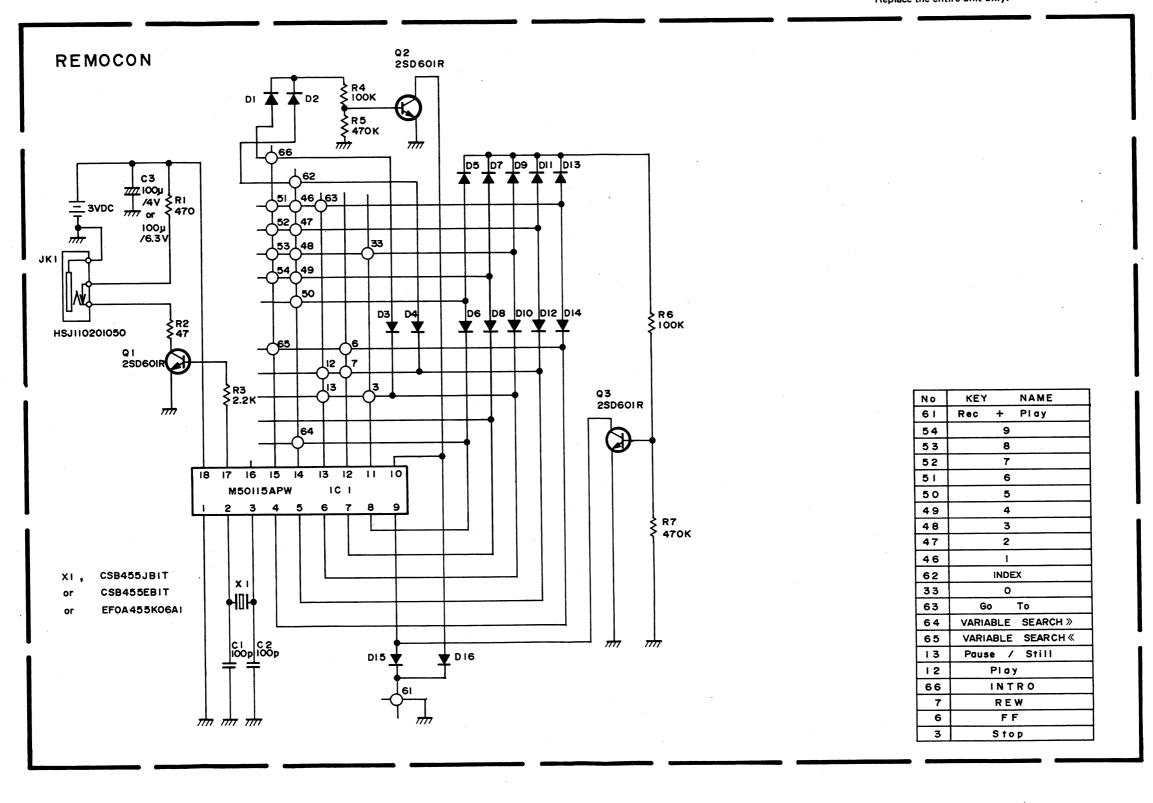
4-37



VIDE-V15448 / Druck 31

Notes: 1. All parts shown in this schematic are critical for safety.

This schematic is only for reference.
 Avoid replacing individual parts.
 Replace the entire unit only.



4-38

4-38

В

SECTION 5 EXPLODED VIEWS AND PARTS LIST

SAFETY PRECAUTION

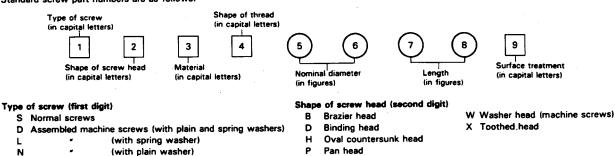
Parts identified by the A symbol are critical for safety. Replace only with specified part numbers.

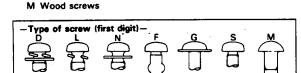
NOTE: [M] indicates mechanical symbol number.

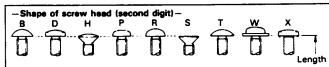
5.1 STANDARD PART NUMBER CODING

5.1.1 Screw coding

Standard screw part numbers are as follows.







Material (third digit)

F Feather screws

Washer head tapping screws

- S Steel
- Nickel silver
- Ε Stainless steel
- Cast brass
- C Cast iron
- Aluminum
- U Copper
- Zinc alloy
- **B** Brass
- Polycarbonate
- Phosphor bronze

Shape of thread (fourth digit)

Round head

Truss head

Flat head

s

- P · Cross recessed head screws
- (-) Slotted head machine screws
- Slotted-cross recessed head machine screws
- Cross recessed head machine screws for precision equipment (type 1) (type 3)
- Cross recessed head tapping screws (type 1) A
- (type 2)
 - (type 3)
- Cross recessed head special tapping screws (brand : evertight) Ε
- (brand : P-tight) F T
 - (brand : taptight)

Shape of thread (fourth digit) -C Slotted-cross $P_{r}(-),X,K,H$ Cross recessed Slotted head G

C

G

Nominal diameter (fifth and sixth digits)

The fifth and sixth digits indicate a nominal diameter or dimension. If the dimension exceeds 10 mm, three digits are used. The number indicates a nominal diameter or dimension, given in millimeters, multiplied by ten.

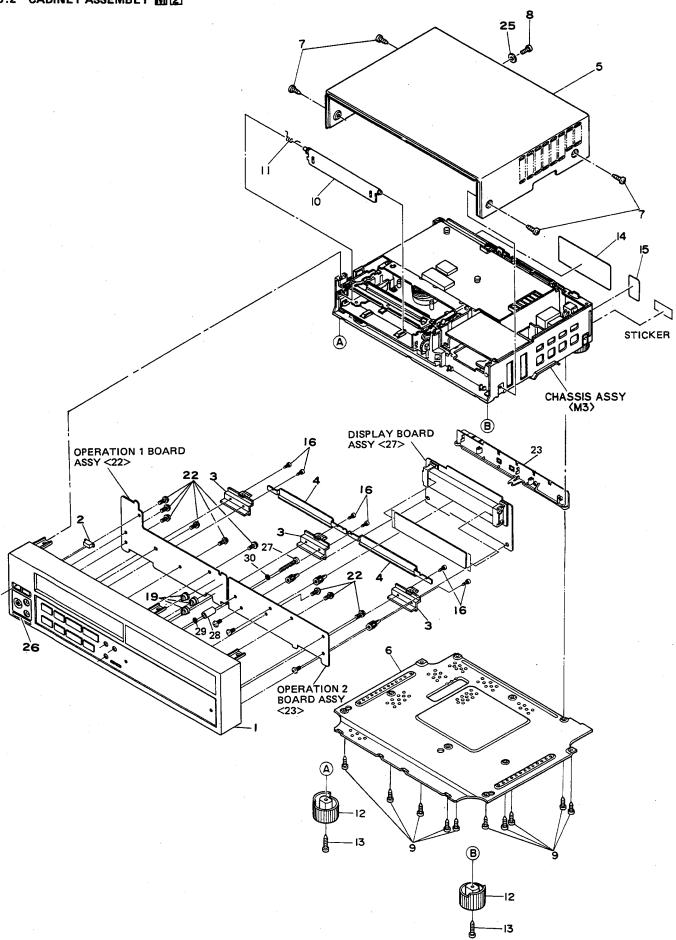
Length (seventh and eighth digits)

The seventh and eighth digits indicate length in millimeters. The preceding figure is zero when the dimension is smaller than 10 mm. For machine screws used in precision equipment whose length is given in units of 0.1 mm, the number indicates ten times the size of their length.

Surface treatment (ninth digit)

- Dichromate treatment after galvanizing (MFZn II-C)
- Nickel plating (MFNiII, MFNiI)
- Chromium plating (MBCrII, MBCrI)
- Silver plating (SP4) G
- В Black coating after plating
- F Blackening of iron (FB)
- Blackening after galvanizing
- Pickling of brass (PF2)
- Phosphate treatment
- W Uni-chrome plating
- Coated with transparent paint L
- Colored red after galvanizing (MFZnII-C)
- Colored blue after galvanizing (MFZzII-C) Colored green after galvanizing (MFZnII-C)
- Colored purple after galvanizing (MFZnII-C)

5.2 CABINET ASSEMBLY M 2



29

30

31

32

33 34 SDSF3008Z

SDSF3008Z

PU49485-4

SDSF3008Z PQ43714 SDSF3008Z SCREW

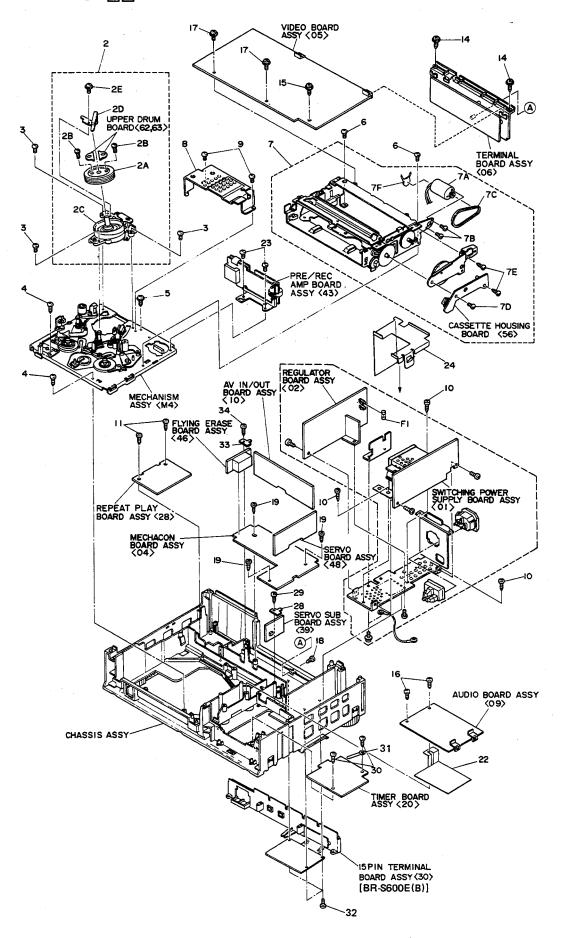
SCREW

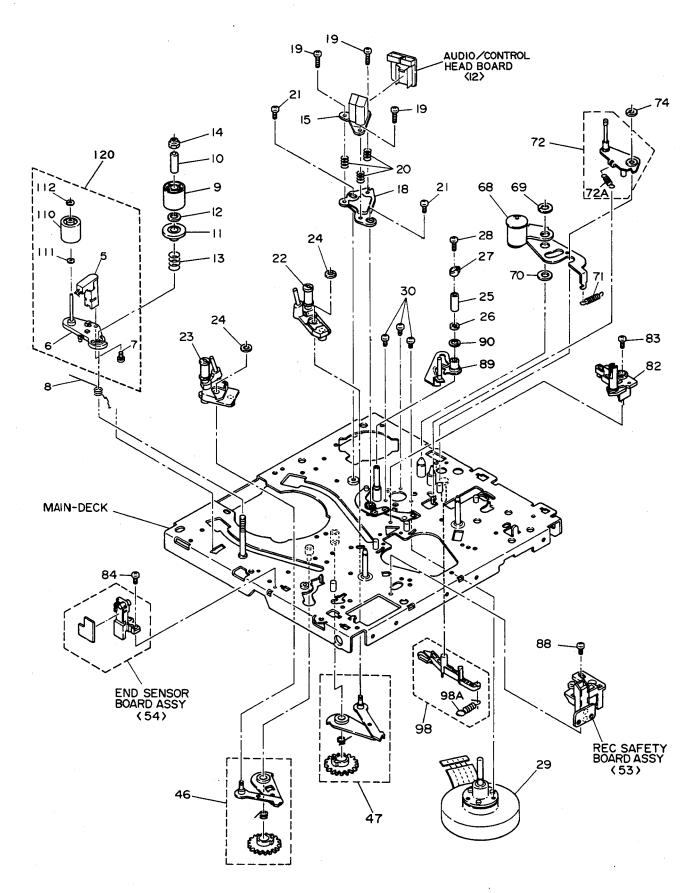
SCREW, X2

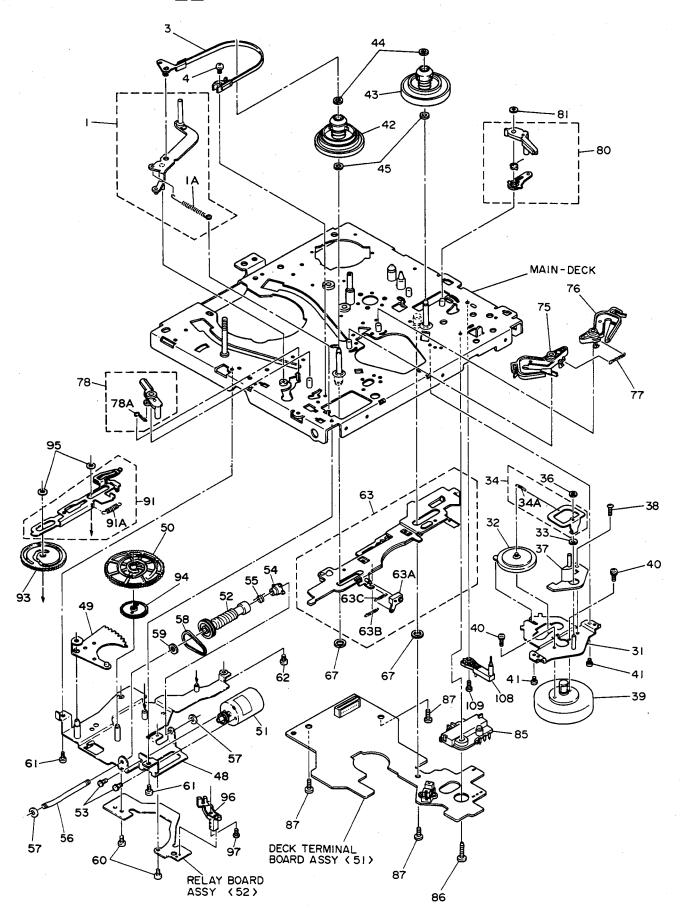
WIRE CLAMP

SCREW, X3 BR-S600E(B) BRACKET

5.3 CHASSIS ASSEMBLY M3



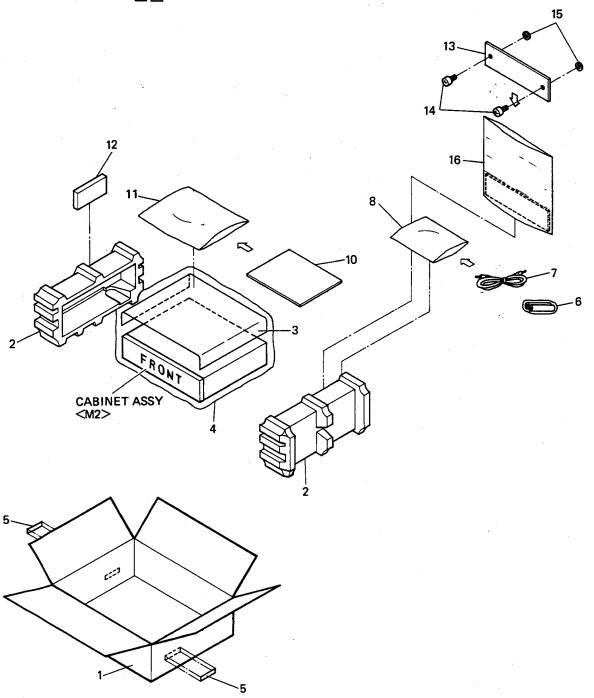




_		
1	PQ43710A	TENSION ARM ASSY
1 A	PQ41952-5	SPRING
3	PQ41948A	TENSION BAND ASSY
4	SDST2606Z	SCREW
5	PU60646	FULL ERASE HEAD
_		
6	PQ43299A-2	FULL ERASE HEAD SUB ASSY
7	LPSP2004Z	SCREW
8	PQ41954-1-1	TORSION SPRING
9	PQ41955	IMPEDANCE ROLLER
10	PQ41956	COLLAR
	. 4-1750	0000000
11	PQ41957	LOWER FLANGE
	R PQ42958	LOWER FLANGE
12	PQM30018-39	SPACER
	R PQM30018-50	SPACER
13	PQM30002-124	COMPRESSION SPRING
14	PQ40353	NYLON NUT
15	PU60560-2	AUDIO/CONTROL HEAD
18	PQ42984-2	HEAD BASE
19	PQ43687A	SCREW, X3
20	PU30080-49	SPRING, X3
	000004047	600 FH V2
21	SDSP2606Z	SCREW, X2
22	PGZ01143	POLE BASE ASSY (TAKE-UP)
0	R PU59994	POLE BASE ASSY (TAKE-UP)
	R PQ43148A	POLE BASE ASSY (TAKE-UP)
23	PU60556-1-2	POLE BASE ASSY (SUPPLY)
	R PU59993	POLE BASE ASSY (SUPPLY)
	R PQ43147A	POLE BASE ASSY (SUPPLY)
24	PQM30017-5	SLIT WASHER, X2
25	PU53629~3	TAPE GUIDE
26	PQ40268-2	GUIDE FLANGE
27	PRD42612	GUIDE POLE CAP
28	SDSP2006Z	SCREW
<u>.</u> 29	PU60201V	CAPSTAN MOTOR
30	SPSP2605N	SCREW, X3
50	31 31 200311	SCREW, AS
- 31	P041974A-3	REEL MOTOR BRACKET ASSY
32	PU58645-1-4	IDLER ARM
33	003093-834	WASHER
34	PQ41976A-1	SPRING ARM ASSY
34A	PQ42212-1-4	SPRING
36	PQM30017-22	SLIT WASHER
37	PQ41978	HOLDER .
38	SPST2606Z	SCREW
.i. 39	PU59926V	REEL MOTOR
40	LPSP2604Z	SCREW, X2
40	LF3F28042	SUREW, AZ
41	SPST2606Z	SCREW, X2
42	PU59250-1-2	REEL DISK (SUPPLY)
43	PU58638-1-2	REEL DISK (TAKE-UP)
44	PQM30017-5	SLIT WASHER, X2
45	Q03093-828	WASHER, X2
46	PQ41979A-5	LOADING ARM ASSY (SUPLLY)
47	PQ41985B-3	LOADING ARM ASSY (TAKE-UP)
48	PQ42973A	CAM BRACKET ASSY
49	PQ41994A-3	ARM GEAR ASSY
50	PQ20577	CONTROL CAM
20	r WG UD (/	CONTROL CAPI

		PART NAME, DESCRIPTION
51	PQ41996B	MODE MOTOR ASSY
OR	PQ41996C	MODE MOTOR ASSY
52	PQ41998A LPSP2604Z PQ42001 PQ42002 PQ42003	WORM ASSY
53	LPSP2604Z	SCREW, X2
54	PQ42001	WINDMILL
55	PQ42002	CLUTCH SPRING
56	PQ42003	WORM SHAFT
57	PQM30017-5	SLIT WASHER, X2
58	PQM30003-20	BELT
59	PQM30018-22	SPACER
60	SPST2606Z	WORM SHAFT SLIT WASHER, X2 BELT SPACER SCREW, X2
62	LPSP2604Z	SCREW
63	LPSP2604Z PQ42038C	PLATE ASSY
63A	P031044-1-2	LOCK LEVER
63B	P0M30001-223	TENSTON SPRING
63C	POM30001 223	TENSION SIRING
67	POM20017-211	CLIT WACHER VO
67	PQM30017-28	SLII WASHEK, XZ
68	PQ42006B	PINCH ROLLER ARM ASSY
69 70	PQM30017-28	SLIT WASHER
		SCREW, X2 SCREW PLATE ASSY LOCK LEVER TENSION SPRING TENSION SPRING SLIT WASHER, X2 PINCH ROLLER ARM ASSY SLIT WASHER WASHER
71 72	PQM30001-229 PQ42013B-4 PQ42029	TENSION SPRING
72	PQ42013B-4	GUIDE ARM ASSY
72A	PQ42029	SPRING
74	PQM30017-6 🐇	SLIT WASHER
75	PQ42019B-6	MAIN BRAKE ASSY (SUPPLY)
76	PQ42020B	MAIN BRAKE ASSY (TAKE-UP)
77	PQM30001-216	TENSION SPRING
77 78	PQ42021A-3	SUB BRAKE ASSY (SUPPLY)
78A	P042023-1-2	TENSION SPRING
80	PQ42037A-2	SPRING SLIT WASHER MAIN BRAKE ASSY (SUPPLY) MAIN BRAKE ASSY (TAKE-UP) TENSION SPRING SUB BRAKE ASSY (SUPPLY) TENSION SPRING SUB BRAKE ASSY (TAKE-UP)
81	DOMETO 17-4	SLIT WASHER LED HOLDER, INCLUDE LED SCREW SCREW
82	PUE903E-1-1	LED HOLDER THEFUNE LED
83	FU37723-1-1	CODE!
03	SPS126062	SCREW
84	SPS126062	SCREW
85	PU60444	SLIDE ENCODER
86	SDSP2610Z	SCREW
87	SDSP2606Z	SCREW, X3
88	SDST2606Z	SCREW
88 89	PRD42685A	HALF LOADING ARM ASSY
90	PQM30017-29	SCREW SCREW, X3 SCREW HALF LOADING ARM ASSY SLIT WASHER
91A	PQM30001-224	SPRING
93	PQ42974A PQM30001-224 PQ31677 PQ42963	HALF LOADING CAM
94	P042963	SECOND GEAR
95	P0M30017-24	SLIT WASHED. YO
96	- G130017-24	SLIT WASHER, X2 REEL SENSOR (S)
		REEL SENSUK (S)
97	LPSP2604Z PQ43295A-1	SCREW
98	PQ43295A-1	MOTOR BRAKE ASSY
98A	PQ43296	SPRING
108	PU59919-1-1	CASSETTE SWITCH SCREW
109	SDST2608Z	SCREW
110	PQ43298A	ROLLER ASSY
111	Q03093-829 PQM30017	WASHER
112	PQM30017	SLIT WASHER
112		
120	PQ43330B-2	FULL ERASE HEAD ASSY

5.5 PACKING ASSEMBLY M 1



#i RE	EF NO. PART NO.	PART NAME, DESCRIP	TION	#1 REF NO	. PART NO.	PART NAME, DESCRIPTION	
							•
****	*************	*********	*********	6	UM-4NJ2P	BATTERY, 2CELLES	
				7	PGZ00418	REMOTE CABLE	
			ł	8	QPGA020-02003	POLY BAG	
	*********	************	******	<u>.i.</u> 10	PGD30002-192	INSTRUCTIONS, BR-S600E(B)	
	* 1. PACK	(ING ASSEMBLY <m1></m1>	*	4	PGD30002~185	INSTRUCTIONS, BR-S600E	
	**********	************	******				
				11	QPGA025-03505	POLY BAG	
				12	PGZ01065B	REMOTE CONTROLLER	
1	PRD20162-	-05-05 PACKING CASE		13	PRD30335	SWITCH COVER	
2	PRD100914	4-03 CUSHION ASSY		14	PRD42441	STOPPER, X2	
3	PU57777	WADDING PAD		15	PUM30017-6	SPACER, X2	
4	PQM30021-	-70 POLY BAG		16	QPGA020-03005	POLY BAG	
5	PUP40329	SERIAL NO.STICKER,	X2				

SECTION 6 ELECTRICAL PARTS LIST

SAFETY PRECAUTION

Parts identified by the A symbol are critical for safety. Replace only with specified part numbers.

ABBREVIATIONS IN THIS LIST ARE AS FOLLOWS:

RESISTORS— All resistance values are in ohms (Ω) , unless

otherwise indicated.

k : 1,000 (Kilo) : 1,000,000 (Mega) M Chip R : Chip Resistor

Chip VR : Chip Variable Resistor Comp. R : Composition Resistor : Carbon Film Resistor CR FR : Fusible Resistor : Metal Film Resistor **MFR**

MPR : Metal Plate Resistor : Oxide Metal Film Resistor OMR **PMR** : Precision Metal Film Resistor

: Unflammable Resistor VR : Variable Resistor (Potentiometer)

: Wire Wound Resistor WR

CAPACITORS—All capacitance values are in μ F, unless otherwise indicated.

: μμF (Pico farad) рF C Cap : Caramic Capacitor Chip Cap : Chip Capacitor

Chip T Cap: Chip Tantalum Capacitor E Cap : Electrolytic Capacitor FM Cap : Film Mica Capacitor

LL Cap : Low Leak Current Electrolytic Capacitor

MM Cap : Metalized Mylar Capacitor MP Cap : Metalized Paper Capacitor

MY Cap : Mylar Capacitor : Non-polar Capacitor NP Cap PC Cap : Polycarbonate Capacitor PP Cap : Polypropylene Capacitor PS Cap : Polystyrol Capacitor T Cap : Tantalum Capacitor TF Cap : Thin Film Capacitor TR Cap : Trimmer Capacitor

NOTES:

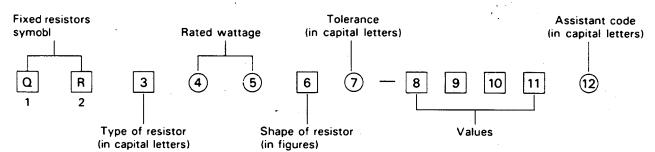
UFR

- [2 digits] indicates circuit board symbol number.
- "X" indicates quantity per set.

6.1 STANDARD PART NUMBER CODING

6.1.1 Fixed resistor coding

Fixed resistor part numbers are as follows.



	•	Rated	wattage	Tole	rance	Assi	stant code
Туре	of resistor (third digit)		and fifth digits)		enth digit)		elfth digit)
C	Composition resistors	A0	1/10 W	F	± 1 %	Α	Small type
Ð	Carbon film resistors	18	1/8 W	G	± 2 %	В	Small type
F	Unflammable resistors	16	1/6 W	J	± 5 %	· s	Small type
G	Oxide metal film	14	1/4 W	Κ	± 10 %	Y	Lead taping
	resistors	12	1/2 W	M	± 20 %	Z	Lead taping
Н	Fusible resistors	01	1 W				_
M	Metal plate resistors	02	2 W	Valu	es		
S	Metal glazed resistors	03	3 W	(eigh	th - tenth or ele	venth digits	s)
٧	Precision metal film	04	4 W	-	nples:	•	•
	resistors	05	5 W	R41	7 [`]		0.47 Ω
W	Wire wound resistors	06	6 W		7		
X	Metal film resistors	07	7 W		O 47;		
Z	Special resistors	75	7.5 W		1 47		
		08	8 W	47:	2 47	× 10²	4.7 kΩ
		10	10 W		3 47	_	
		15	15 W	474	4 47	× 10⁴	470 kΩ
		A6	16 W		5 47		
		20	20 W		resistance showr		
		30	30 W		40 464		•
					41 464		
					42 464	_	

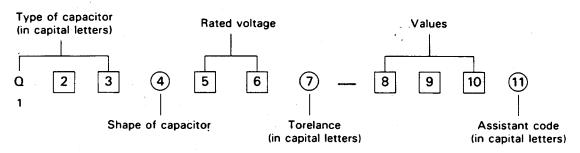
Shape of resistor (sixth digit)

Note: indicates flame retardant resistor.

Type of Shape resistor of resistor	С	D	F	G	н	М	s	V	w	х
1	Ф	\ominus	ф	þ	ф			þ	\Box	
2	Ĵ	Ţ						þ		
3		ø		Ű				Ú		
4		ψ		Ę	Ţ	只				<u> </u>
5				r ass h		\Box			(L) type	-
6			1					1		
7		þ	Lug (B) type					1		<u></u>
8			Lug (A) type				[] _ [] Chip			
9			Lug (C) type	λ	}					₹

6.1.2 Fixed capacitor coding

Fixed capacitor part numbers are as follows.



Ceramic capacitors

	Type of capacitor	Shape of capacitor (fourth digit)							
	first — third digits)	Mono-direction	Kink lead	Axial lead	Axial forming	Chip			
Symbol	Characteristics				lead				
acc	Ceramic	1		4	5				
QCD	High capacitance					Α			
QCF	High capacitance	1,4	3			8,A			
QCS	Temperature compensation	1	3	4	5	8,A			
QCT	Temperature compensation		Specia	l coding		8,A			
QCV	Ceramic			1	3				
QCX	Ceramic			1	3				
QCY	High capacitance	1,4	3	6	7	8,A			
QCZ	Special type	Special coding							
QCB	Ceramic			В	С				

Electrolytic capacitors

Type of capacitor (first-third digits)			Shape of capacitor (fourth digit)						
Symbol	Characteristics	Tubular	Mono-direction	Anti-stress	Forming	Snap-in			
QEB	Low leakage		4	5	6				
QEC	Low leakage		4,8,A	9,B	6,C				
055	Tantalum (normal)		4	. 5	6				
QEE	Tantalum (small)		8	,					
QEF	Chip tantalum		8 (chip type)						
QEG	Low impedance		4						
QEK	Miniature type		4	5	6				
QEL	Small type		4	5	6	7			
QEM	Small type		4,A	5	6				
QEN	Non-polar	2	. 4	5	6				
QEP	Non-polar (small)		4,A	5,B	6,C				
QER	Miniature type		4	5	6				
QET	Small type	2	4,A	5,B	6,C	7			
QEU	Small type		4	5	6				
QEV	Small type		4		6	7			
QEW	Normal	2	4	5	6	7			

Paper film capacitors

Type of capacitor (first — third digits)		Shape of capacitor (fourth digit)							
(first — third digits)		Tubulas	Norn	nal	Flame retardant				
Symbol	Characteristics	Tubular	Mono-direction	Kink lead	Mono-direction	Kink lead			
QFA	Metalized polypropylene			2,	. 7				
QFE	Metalized mylar			•	5				
QFF	Film mica		4						
QFG	Polypropylene film		4	8					
QFH	Metalized mylar	2	4	3	5,7	6			
QFJ	Mylar (special)		4						
QFK	Metalized mylar (small)				5.				
QFM	Mylar	2	4	3,7	5	6			
QFN	Mylar (small)		4	3		1			
QFP	Polypropylene		4	3,8					
QFS	Polystyrole	2	4	3					
QFV	Thin film		4	8					
QFZ	Special type	Special coding							

Rated voltage (fifth and sixth digits)

Sixth digit	Α	В	С	D	E	F	G	н	J	К	٧	w	x
0						3.15	4.0		6.3				
1 ,	10		16	20	25		40	50	63	80	35		
2	100	125	160	200	250	315	400	500	630		350	450	600
3	1000	1250		2000				5000					

Tolerance (seventh digit)

Α	+ 100 % - 10 %	М	± 20 %
F	± 1 %	N	±30 %
G	± 2 %	Р	+ 100 %
н	+ 50 % - 10 %	R	+ 30 % - 10 %
J	± 5 %	X	+ 40 - 20 %
ĸ	± 10 %	Z	+80 %

Values (eighth — tenth digits) Example: Values are in picofarads

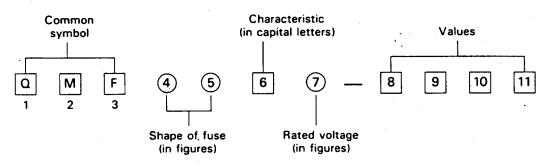
	ile : values are in pic		
	10×10 ¹		
102	10×10^2	pF	1,000 pF (0.001 μF)
103	10×10 ³	pF	10,000 pF (0.01 μF)
104	10×10 ⁴	pF	100,000 pF (0.1 μF)
105	10×10 ⁵	pF	1 μF
5R0		•	5.0 pF

Assistant code (eleventh digit)

- G Small size
- Z Lead taping
- Y Lead taping

6.1.3 Fuse coding

Standard fuse part numbers are as follows.



Shape of fuse		Rate	d voltage	Values
(fourth	n and fifth digits)	(seve	enth digit)	(eighth-tenth or eleventh digits)
51	φ5.2×20 mm	1	AC125 V	example:
60	φ6.4×30 mm	2	AC250 V	R63 0.63 A
61	$\phi 6.35 \times 31.8 \text{ mm}$	3	0.1-1 A: AC250 V	a. 1RO 1.0 A
63	ϕ 6.4 × 30 mm with lead wires		1.25-6.3 A: AC125 V	2R5 2.5 A
66	$\phi 6.35 \times 31.8$ mm with lead wires			100 10 A
00 Special type	Special type			R315 0.315 A
				1R25 1.25 A

Characteristics (sixth digit)

Characteristics	(sixth digit)		
Symbol	Fusing Current	Fusing Time	Remarks .
	210 %	Within 2 min.	
	275 %	0.6 - 10 sec.	And such tune (for Europe)
A	400 %	0.15 - 3 sec.	Anti-rush type (for Europe)
	1000 %	0.02 - 0.3 sec.	Anti-rush type (for Europe) Regular fusible type (for SEMKO, Europe) Regular fusible type (for UL, Japa Anti-rush type (for Europe) Anti-rush type Regular fusible type (for UL) Regular fusible type Anti-rush type Anti-rush type Anti-rush type
	210 %	Within 30 min.	
В	275 %	0.05 - 2 sec.	, ,
	400 %	0.01 - 0.3 sec.	(10) Sciviko, Edioper
	135 %	Within 1 hr.	Paradas fusible tune (facility lange)
С	200 %	Within 2 min.	Regular fusible type (for OL, Japan)
	210 %	Within 2 min.	
r	275 %	0.6 - 10 sec.	Anti-much turns (fine France)
E	400 %	0.15 - 3 sec.	Anti-rush type (for Europe)
	1000 %	0.02 - 0.3 sec.	
•	135 %	Within 1 hr.	A sei much suss
J	200 %	Within 2 min.	Anti-rush type
	135 %	Within 1 hr.	Decides fusible auto (for 111)
M	200 %	Within 2 min.	Hegular rusible type (for OL)
R	160 %	Within 1 hr.	Page des fusible aure
, R	200 %	Within 2 min.	Hegular fusible type
	160 %	Within 1 hr.	
s	200 %	Within 2 min.	Anti-rush type
	700 % - 2000 %	Within 0.01 sec.	
	135 %	Within 1 hr.	
υ	200 %	Within 2 min.	Anti-rush type (for UL)
	800 % - 2000 %	Within 0.01 sec.	1

6.2 ELECTRICAL PARTS LIST

#i REF	NO.	PART NO.	PART NAME, DESCRIPTION		REF N		PART NO.	PART NAME, DESCRIPTION
*****	****	*******	**********		C35		QETB1EM-108	E CAPACITOR
				l	C36		QETB1EM-108	E CAPACITOR
					C37		QETB1AM-108	E CAPACITOR
	****	*********	********	ľ	C38		QETC1JM-226	E CAPACITOR
	*		LY BOARD ASSEMBLY <01> <02> *		C39			
			**************************************				QETC1HM-226	E CAPACITOR
	****	*******			C40		QFL41HJ-102	M CAPACITOR
PWB	Α	PGE10134A	SWITCHING REGULATOR BOARD ASSY		C41		QFL41HJ-102	M CAPACITOR
		CUTTOUTNO D		l	L11		PU56183-330	COIL
		-SWITCHING P	.S BOARD ASSEMBLY <01>-	{	L12 L13		PU56183-330 PU56183-330	COIL
PWB	Al	PGE10134A1	SWITCHING BOARD ASSY	i	L14		PU48530-101K	COIL
				1	L15		PU48530-101K	COIL
ICl		STR-D1706	IC		L16		PU48530-8R2K	COIL
					L17		PU48530-8R2K	COIL
D1		10E6-F2	DIODE	l			1040350 OREK	COIL
D2		10E6-F2	DIODE	٨.	T1		PU60683	SWITCHING TRANSFORMER
D3		10E6-F2	DIODE	-				SWITCHING TRANSFORMER
D4		10E6-F2	DIODE	l	HS2		PU60798	HEAT SINK
D5		RUIA	FR DIODE		HS3		PQ43231-1-1	HEAT SINK(3)
D6		RUIA	FR DIODE	~			1440201 1 1	TIERT STREET
D7		AU01Z	FR DIODE	. ا	LF2		PU60347	LINE FILTER
	OR	ERA48-02-T	FR DIODE	۳ ا			1000041	LINE FILTER
DB	,	AU01Z	FR DIODE	l '	SLD1		P032558-1-1	SHIELD CASE(1)
	OR	ERA48-02-T	FR DIODE	l				
≟ D9		AU01Z	FR DIODE		CN1		PU58844-9	CAP HOUSING
± D10	l	AU01Z	FR DIODE		CN2		PU58844-3	CAP HOUSING
D11		F6P20F	FR DIODE	<u>.</u>			-DECULATOR	BOARD ASSEMBLY <02>-
511		FML-12S	FR DIODE				-REGULATOR I	BUARD ASSEMBLY <u2>=</u2>
D12		F5KQ40B	BARRIER DIODE	l	PWBA2		PGE10134A2	REGULATOR BOARD ASSY
	OR	FMB-24	BARRIER DIODE					WEGGENION BONNO NOO!
D13		AU01Z	FR DIODE	یک ا	STK1		PU44457	STICKER
	OR	ERA48-02-T	FR DIODE	_			-	
D14		AUDIZ	FR DIODE		IC2		BA10324	IC
	OR	FRA48-02-T	FR DIODE	•	IC3		MC7805ACT	IC .
D15		RD16ES-T1B2	ZENER DIODE					•
222			·	1	IC101		M54647L	IC
D28	i	AU01Z	FR DIODE	1			2022744	
R1		0070070 000	WW DECISION	l	Q11	~~	2SD1764	TRANSISTOR
R2		QRZ0078-2R2	WW RESISTOR	1		UK	2SD1796	TRANSISTOR
R3		QRD181J-334	RESISTOR		Q12		2SC1740S	TRANSISTOR
R4		QRD181J-334	RESISTOR	1	Q13		2SD1764	TRANSISTOR
R5		QRG029J-104	OMF RESISTOR	1		UK	2501796	TRANSISTOR
R6		QRD161J-104	RESISTOR	!	Q14	00	2SD1764	TRANSISTOR
R7		QRG029J-201 QRZ0078-R39	OMF RESISTOR WW RESISTOR	1	Q15	UK	2SD1796	TRANSISTOR
R9		QVZ3507-101	V RESISTOR	l		nρ	2SD1764 2SD1796	TRANSISTOR
		QV20501 101	* RESISTOR	1	Q16	UK	2SB1186(DE)	TRANSISTOR TRANSISTOR
R11		QRD161J-333	RESISTOR	1	Q17		2SA720	TRANSISTOR
				۳ ا	Q18		DTA114ES	TRANSISTOR
£ C1		QFZ9022-683	MM CAPACITOR					,
± C7		QCZ9016-222M	CAPACITOR		D16		RD6.2ES-T183	ZENER DIODE
دأك	OR	QCZ9048-222	CAPACITOR		D17		RD5.1ES-T182	ZENER DIODE
<u>.</u> €8		QCZ9016-222M	CAPACITOR		D19		HZ6B1TE	DIODE
Æ	OR	QCZ9048-222	CAPACITOR		1	OR	HZ6B1TJ	DIODE
C9		QED61HM-226	E CAPACITOR		D20		RD13ES-T1B3	DIODE
C10	1	QEZ0111-107	E CAPACITOR	1	•			
		00045744 150		1	D21		HZS33EB1	ZENER DIODE
C11		QCY53AK-472	CAPACITOR	1	D23		188133	DIODE
C12		QCY43AK-121	CAPACITOR	1		OR	MA165	DIODE
C13		QFL41HJ-222	M CAPACITOR	ł	D24		188133	DIODE
C14		QFV41HJ-474	TF CAPACITOR	1		OR	MA165	DIODE
C15		QEZ0108-187Z	E CAPACITOR	1	D25	~~	155133	DIODE
.L C17		QCZ9016-102K.	CAPACITOR	1		UR	MA165	DIODE
À CIR		QCZ9047-102	CAPACITOR	1	D26		155133	DIODE
± C18		QCZ9016~102K	CAPACITOR			UR	MA165	DIODE
À	UR	QCZ9047-102	CAPACITOR	[D27	O P	RD20ES-T1B2	ZENER DIODE
C31		QEZ0125-228	E CAPACITOR	l	1	υK	MTZ20BT-77	ZENER DIODE
C32		QEZ0106-338	E CAPACITOR	l	R14		QRD161J-222	PESTSTOP
C33		QEZ0104-476Z	E CAPACITOR	l	R15		QRD161J-362	RESISTOR
C34		QEZ0107-476Z	E CAPACITOR	1	R16		QRD161J-362	RESISTOR RESISTOR
				•			Z.101010-412	NEGIGION

#£ REF NO.		PART NAME, DESCRIPTION	#.L REF NO.	PART NO.	PART NAME, DESCRIPTION
R17	QRD161J-102	RESISTOR	CCM1	DPSP4008Z	SCREW
R18	QRD161J-622	RESISTOR	SCW1		
R19	QRD161J-472	RESISTOR	SCW2	DPSP3008Z	SCREW, X2
R20	QRD161J-102	RESISTOR	SCW3	DPSP3012Z	SCREW, X2
		•	SCW4	SDST3006Z	SCREW, X3
R21	QRD161J-153	RESISTOR	SCW5	SBSB3008Z	SCREW, X3
			SCW6	SBSB3006Z	SCREW, X2
R22	QRD161J-472	RESISTOR			
R23	QRD161J-102	RESISTOR	SCW7	LPSP4008Z	SCREW
R24	QRD161J-102	RESISTOR			
R25	QRD161J-153	RESISTOR	SLD2	PQ32071	SHILD CASE(2)
R26	QVZ3244-222	V RESISTOR			
	QRD161J-223	RESISTOR	£ SPC1	PQ43773	SHEET (AC)
R27			77 21 CT	1445115	
R28	QRD161J-222	RESISTOR			
R29	QRD161J-103	RESISTOR	TP1	PU55774	TEST PIN, X4
R30	QRD161J-392	RESISTOR			
			CN5	PU58844-102R	CAP HOUSING
R31	QRD161J-102	RESISTOR	CN6	PU58844-107	CAP HOUSING
			CN7	PU59555-105	CAP HOUSING
R32	QRD161J-472	RESISTOR			
R33	QRD161J-331	RESISTOR	CNB	PU59555-108	CAP HOUSING
R34	QRD161J-272	RESISTOR	CN9	PU58844-103R	CAP HOUSING
i R35	QRZ0077-220X	FUSIBLE RESISTOR	CN10	PU58844-103R	CAP HOUSING
	QRZ0077-220X	FUSIBLE RESISTOR			
<u>i</u> R36	QK20077-220X	FOSIBLE RESISTOR	CN11	PU58844-103Y	CAP HOUSING
					CAP HOUSING
R43	QRD161J-392	RESISTOR	CN12	PU59555-108	CAP HUUSING
R44	QRD181J-1R0	RESISTOR			
R45	QRD181J-1R0	RESISTOR	± CP1	ICP-F25	CIRCUIT PROTECTOR
R46	QRD181J-1R0	RESISTOR	∠t CP2	ICP-F25 a.	CIRCUIT PROTECTOR
			≟ CP3	ICP-F20	CIRCUIT PROTECTOR
R47	QRD181J-1R0	RESISTOR			
R48	QRD181J-1R0	RESISTOR	ds CP4	ICP-F20	CIRCUIT PROTECTOR
R49	QRD181J-1RD	RESISTOR			
R50	QRD181J-1R0	RESISTOR	CP101	ICP-F25	CIRCUIT PROTECTOR
R51	QRD181J-1R0	RESISTOR	Æ F1	QMF51E2-1R25	FUSE
R52	QRD181J-562	RESISTOR			
R53	QRD181J-562	RESISTOR	*******	******	********************
K 93	6401010 205	RESISTER			
		M CADACTTOD			
C43	QFN31HJ-103	M CAPACITOR			,
C43 C44	QFN31HJ-103 QETC1CM-107	M CAPACITOR E CAPACITOR	***		**********
C44	QETC1CM-107		***		**************************************
C44 C45	QETC1CM-107 QETC1HM-106	E CAPACITOR E CAPACITOR	*	6. MECHACON	
C44 C45 C46	QETC1CM-107 QETC1HM-106 QFN31HJ-103	E CAPACITOR E CAPACITOR M CAPACITOR	*	6. MECHACON	BOARD ASSEMBLY <04> *
C44 C45 C46 C47	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR	*	6. MECHACON	BOARD ASSEMBLY <04> *
C44 C45 C46 C47 C48	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR	***	6. MECHACON **************	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR	*	6. MECHACON ***************	BOARD ASSEMBLY <04> *
C44 C45 C46 C47 C48	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR	× ××× PWBA	6. MECHACON	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR	***	6. MECHACON ***************	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR	× ××× PWBA	6. MECHACON	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR	* **** PWBA IC1 IC2	6. MECHACON ************************************	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1AM-476	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR	* **** PWBA IC1 IC2 IC4	6. MECHACON *********** PGE10135A M50938E-324SP TA8405S BA6222	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	* **** PWBA IC1 IC2	6. MECHACON ************************************	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1AM-476	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR	* **** PWBA IC1 IC2 IC4 IC5	6. MECHACON I ************************************	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CM-107	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	* **** PWBA IC1 IC2 IC4	6. MECHACON *********** PGE10135A M50938E-324SP TA8405S BA6222	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C55	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CM-107 QETC1CHM-106 QFN31HJ-103	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR	* **** PWBA IC1 IC2 IC4 IC5	6. MECHACON I ************************************	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR	* **** PWBA IC1 IC2 IC4 IC5	6. MECHACON ************ PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS)	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C55 C55 C55	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1HM-476 QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107	E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR	* **** PWBA IC1 IC2 IC4 IC5 Q1 D1	6. MECHACON ************ PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C55 C55 C55 C55	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1AM-107 QETC1AM-476 QETC1CM-107 QETC1CHM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1AM-226	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	* **** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2	6. MECHACON I ************************************	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C55 C55 C55	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1HM-476 QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	* ***** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 0	6. MECHACON ************* PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CM-107 QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1AM-107 QETC1AM-107 QETC1AM-226 QETC1HM-226	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	* **** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2	6. MECHACON I ************************************	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C55 C55 C55 C55	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1AM-107 QETC1AM-476 QETC1CM-107 QETC1CHM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1AM-226	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	* **** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 D3	6. MECHACON ************* PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C55 C55 C55 C56 C57 C58 C59	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-226 QETC1HM-226 QETC1HM-226	E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR	* **** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 D3 0	6. MECHACON I ************************************	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CHM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1AM-226 QETC1HM-226 QETC1HM-226 QETC1EM-476	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR	* **** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4	6. MECHACON I ************* PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3E82 MA165 R 1SS133 MA165 R 1SS133 MA165 R 1SS133 MA165	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C55 C55 C55 C56 C57 C58 C59	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-226 QETC1HM-226 QETC1HM-226	E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR	PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4	6. MECHACON ************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133 MA165 R 1SS133 MA165 R 1SS133 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CHM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1AM-226 QETC1HM-226 QETC1HM-226 QETC1EM-476	E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR	PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5	6. MECHACON I ************* PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133 MA165 R 1SS133 MA165 R 1SS133 HZS7.5EB2	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CHM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1AM-226 QETC1HM-226 QETC1HM-226 QETC1EM-476	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR	# **** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 O6	6. MECHACON I ************* PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133 MA165 R 1SS133 MA165 R 1SS133 HZS7.5EB2 MA165	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CHM-107 QETC1HM-106 QFN31HJ-103 QETC1AM-107 QETC1HM-106 QFN31HJ-103 QETC1AM-107 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226	E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR	# **** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 O6	6. MECHACON I ************* PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133 MA165 R 1SS133 MA165 R 1SS133 HZS7.5EB2	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CM-107 QETC1CM-107 QETC1CM-107 QETC1CM-107 QETC1AM-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-226 QETC1AM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-105 PU53618-101J	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR E CAPACITOR CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR COIL	# **** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 O6	6. MECHACON I ************* PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133 MA165 R 1SS133 MA165 R 1SS133 HZS7.5EB2 MA165	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QETC1HM-476 QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-105 PU53618-101J PGZ00760	E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR COAPACITOR COIL AC INLET	PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 O6 O7	6. MECHACON I *************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133 MA165 R 1SS133 HZS7.5EB2 MA165 R 1SS133 HZS7.5EB2 MA165 R 1SS133 HZS7.5EB2 MA165 R 1SS133 HZS7.5EB2 MA165	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CM-107 QETC1CM-107 QETC1CM-107 QETC1CM-107 QETC1AM-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-226 QETC1AM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-105 PU53618-101J	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR E CAPACITOR CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR COIL	* ***** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 D6 O D7	6. MECHACON I *************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133 MA165 R 1SS133 MA165 R 1SS133 HZS7.5EB2 MA165 R 1SS133 MA165 R 1SS133 HZS7.5EB2 MA165 R 1SS133 MA165 R 1SS133 MA165 R 1SS133 MA165	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C101 C102 L 18	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1AM-107 QETC1AM-476 QETC1CM-107 QETC1CM-107 QETC1CM-107 QETC1CM-107 QETC1CM-107 QETC1CM-107 QETC1CM-107 QETC1AM-107 QETC1AM-226 QETC1CAM-105 PUS3618-101J	E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR E CAPACITOR CAPACITOR E CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR COIL AC INLET CONNECTOR COVER	* **** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 D6 O7 D8	6. MECHACON I *************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3E82 MA165 R 1SS133 MA165 R 1SS133 HZS7.5EB2 MA165 R 1SS133 MA165	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QETC1HM-476 QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-105 PU53618-101J PGZ00760	E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR COAPACITOR COIL AC INLET	PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 D6 O D7 O D8	6. MECHACON I *************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133 MA165 R 1SS133 HZS7.5EB2 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C101 C102 L18 A01 A02	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QETC1CHM-476 QETC1CM-107 QETC1HM-106 QFN31HJ-103 QETC1AM-107 QETC1HM-103 QETC1AM-226 QETC1CM-107 QETC1CHM-226 QETC1CH	E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR CAPACITOR E CAPACITOR COIL AC INLET CONNECTOR COVER TRANS BRACKET	****** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 D6 O D7 O D8 O D9	6. MECHACON I *************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133 MA165	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C101 C102 L 18	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QETC1CHM-476 QETC1CM-107 QETC1HM-106 QFN31HJ-103 QETC1AM-107 QETC1HM-103 QETC1AM-226 QETC1CM-107 QETC1CHM-226 QETC1CH	E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR E CAPACITOR CAPACITOR E CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR COIL AC INLET CONNECTOR COVER	****** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 D6 O D7 O D8 O D9	6. MECHACON I *************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133 MA165 R 1SS133 HZS7.5EB2 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C101 C102 L18 A01 A02 £ BKT1	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFTC1AM-107 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-105 PU53618-101J PGZ00760 PU52931 PRD20225 PRD42862-01-01	E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR C IL AC INLET CONNECTOR COVER TRANS BRACKET EARTH BRACKET	****** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 D6 O D7 O D8 O D9	6. MECHACON I *************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133 MA165	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C101 C102 L18 A01 A02 £ BKT1 £ BKT2 £ HD1	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CM-107 QETC1CHM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFTC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-105 PU53618-101J PGZ00760 PU52931 PRD20225 PRD42862-01-01 PU57505	E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR TRANS BRACKET EARTH BRACKET EARTH BRACKET	* ***** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 D3 D4 D5 D6 D7 D8 D9 O	6. MECHACON ***************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133 MA165 R 1SS133 HZS7.5EB2 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C101 C102 L18 A01 A02 £ BKT1	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFTC1AM-107 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-105 PU53618-101J PGZ00760 PU52931 PRD20225 PRD42862-01-01	E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR C IL AC INLET CONNECTOR COVER TRANS BRACKET EARTH BRACKET	* ***** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 O6 O7 O8 O9 O9 R1	6. MECHACON I **************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C101 C102 L18 A01 A02 £ BKT1 £ BKT2 £ HD1	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1HM-476 QETC1HM-107 QETC1HM-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-105 PU53618-101J PGZ00760 PU52931 PRD20225 PRD42862-01-01 PU57505 A74316	E CAPACITOR E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR T CAPACITOR COIL AC INLET CONNECTOR COVER TRANS BRACKET EARTH BRACKET FUSE CLIP, X2 TAB, X2	* ***** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 O6 O7 OB O9 OP R1 R2	6. MECHACON I *************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C101 C102 L18 A01 A02 £ BKT1 £ BKT2 £ HD1	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CM-107 QETC1CHM-106 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFTC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-105 PU53618-101J PGZ00760 PU52931 PRD20225 PRD42862-01-01 PU57505	E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR TRANS BRACKET EARTH BRACKET EARTH BRACKET	* **** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 D6 O7 D8 O D9 O R1 R2 R3	6. MECHACON I *************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3E82 MA165 R 1SS133 MA165 R 1SS133 HZS7.5E82 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C101 C102 L18 A01 A02 £ BKT1 £ BKT2 À H01 À H02 HS1	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1CM-107 QETC1HM-476 QETC1HM-476 QETC1HM-106 QFN31HJ-103 QETC1CHM-107 QETC1HM-106 QFN31HJ-103 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-105 PU53618-101J PGZ00760 PU52931 PRD20225 PRD42862-01-01 PU57505 A74316 PQ43701-1-1	E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR TAPACITOR COIL AC INLET CONNECTOR COVER TRANS BRACKET EARTH BRACKET FUSE CLIP, X2 TAB, X2 HEAT SINK	* ***** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 O6 O7 OB O9 OP R1 R2	6. MECHACON ******************* PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C101 C102 L18 A01 A02 LBKT1 LBKT2 LBLT2	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1HM-476 QETC1HM-107 QETC1HM-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QFN31HJ-103 QETC1AM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-105 PU53618-101J PGZ00760 PU52931 PRD20225 PRD42862-01-01 PU57505 A74316	E CAPACITOR E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR T CAPACITOR COIL AC INLET CONNECTOR COVER TRANS BRACKET EARTH BRACKET FUSE CLIP, X2 TAB, X2	* **** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O D4 O D5 D6 O7 D8 O D9 O R1 R2 R3	6. MECHACON ******************* PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C55 C56 C57 C58 C59 C60 C101 C102 L18 A01 A02 L BKT1 L BKT2 L H01 L HS1 HS2	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1AM-107 QETC1HM-476 QETC1CHM-476 QETC1CHM-107 QETC1HM-106 QFN31HJ-103 QETC1AM-107 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-209 QETC1HM-105 PU53618-101J PGZ00760 PU52931 PRD20225 PRD42862-01-01 PU57505 A74316 PQ43701-1-1 PQ43230	E CAPACITOR E CAPACITOR CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR COIL AC INLET CONNECTOR COVER TRANS BRACKET EARTH BRACKET EARTH BRACKET FUSE CLIP, X2 TAB, X2 HEAT SINK HEAT SINK HEAT SINK(2)	****** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 O D3 O C4 O D5 D6 O D7 O D8 O D9 O R1 R2 R3 R4 R5	6. MECHACON I **************** PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************
C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C101 C102 L18 A01 A02 £ BKT1 £ HD1 £ HD1 HS1	QETC1CM-107 QETC1HM-106 QFN31HJ-103 QFN31HJ-103 QETC1CM-107 QFN31HJ-103 QETC1CM-107 QETC1HM-476 QETC1HM-476 QETC1HM-106 QFN31HJ-103 QETC1CHM-107 QETC1HM-106 QFN31HJ-103 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-226 QETC1HM-105 PU53618-101J PGZ00760 PU52931 PRD20225 PRD42862-01-01 PU57505 A74316 PQ43701-1-1	E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR TAPACITOR COIL AC INLET CONNECTOR COVER TRANS BRACKET EARTH BRACKET FUSE CLIP, X2 TAB, X2 HEAT SINK	* ***** PWBA IC1 IC2 IC4 IC5 Q1 D1 D2 D3 D4 D5 D6 D7 D8 D9 Q1 R1 R2 R3 R4	6. MECHACON ******************* PGE10135A M50938E-324SP TA8405S BA6222 M50255P 2SD1468S(RS) HZS4.3EB2 MA165 R 1SS133	BOARD ASSEMBLY <04> * ***********************************

<u>*</u> *			PART NO.	PART NAME, DESCRIPTION			PART NO.	PART NAME, DESCRIPTION
	R7		QRD161J-102					
	R8					CN2	PU58844-6	CAP HOUSING
			QRD161J-102	RESISTOR	ĺ	CN4	PU58930-14	CAP HOUSING
	R9		QRD161J-103	RESISTOR	ľ	CN5	PU58930-12	CAP HOUSING
	R10		QRD161J-472	RESISTOR	l	CN6	PU59555-10	CAP HOUSING
						CN9	-	
	R11		QRD161J-472	RESISTOR	1	J.17	1037355-8	CAP HOUSING
	R12		QRD161J-472	RESISTOR		CN12	DUEBBAA	***
	R13		QRD161J-472	RESISTOR			PU58844-6	CAP HOUSING CAP HOUSING
	R14					CN13		CAP HOUSING
			QRD161J-472	RESISTOR		CN14	PU58928-18	CAP HOUSING
	R15		QRD161J-472	RESISTOR		CN15	PU58928-13	CAP HOUSING
	R16		QRD161J-103	RESISTOR	1	CN16	PU58928-16	CAP HOUSING
	R17		QRD161J-103	RESISTOR		CN17	PU58928-16 PU58928-15	CAP HOUSING
	R18		QRD161J-103	RESISTOR		CN18	PU59555-8	· · -
	R19		QRD161J-333	RESISTOR		0.110	1037335-6	CAP HOUSING
	R20		QRD161J-472					
			4.02010	RESISTOR	***	*****	*******	*********
	R21		OPD141 1-473	DECTOR				
			QRD161J-472	RESISTOR				
	R22		QRD161J-472	RESISTOR		***	*****	*********
	R23		QRD161J-472	RESISTOR		*	7. VIDEO BOAR	D ASSEMBLY <05> *
	R24		QRD161J-472	RESISTOR		***	*********	*********
	R25		QRD161J-472	RESISTOR	-			
	R26		QRD161J-472	RESISTOR				
	R27		QRD161J-472	RESISTOR		DL/DA	005101744	·
	R28		QRD161J-472			PWBA	PGE10136A	VIDEO BOARD ASSY
				RESISTOR				
	R29		QRD161J-472	RESISTOR		CL1	PU56729-2	WIRE CLAMP
	R30		QRD161J-124	RESISTOR	1	CL2	PU55379	MINI CLAMP
			•					
	R31		QRD161J-124	RESISTOR	1	HN1	PU58018-1-2	PWR HINCE VO
	R32		QRD161J-333	RESISTOR			1050010 1-2	PWB HINGE, X2
	R33		QRD161J-821	RESISTOR		CDC3	BUZGGSB	
	R34		QRD161J-331			SPC1	PU60010	SPACER, X4
	R35		QRD161J-822	RESISTOR				·
				RESISTOR		CN2	PU58844-6	CAP HOUSING
	R36		QRD161J-103	RESISTOR		CN3	PU58844-3	CAP HOUSING
	R37		QRD161J-472	RESISTOR		CN4	PU59555-10	CAP HOUSING
	R38		QRD161J-472	RESISTOR		CN5	PU58844-8	CAP HOUSING
	R39		QRD161J-333	RESISTOR		CN6	PU58844-4	
	R40		QRD161J-333	RESISTOR		CN7	PHE8844-E	CAP HOUSING
							PU58844-5 PU58844-5	CAP HOUSING
	R41		QRD161J-105	DECTOR		CN8		
	R42			RESISTOR		CN9	PU58844-6	CAP HOUSING
			QRD161J-561	RESISTOR		CN10	PU58844-4	CAP HOUSING
	R43		QRD161J-561	RESISTOR				
						CN12	PU59555-5	CAP HOUSING
	RAl		QRB035J-103C	RESISTOR ARRAY				
	RAZ		QRB045J-472C	RESISTOR ARRAY			-Y SECTION-	
	RA3		QRB045J-103C	RESISTOR ARRAY				
					1	ICI	PB20291A	Y MODULE
	B 1		QRD182J-ORO	RESISTOR		IC2		
				WESTSTON.			NJM2234D	IC
	C1		0050157 007	0.0.0		IC3	M51288SP	IC ,
	CS		QCFB1EZ-223	CAPACITOR		IC4	HA118070	IC
			QETC1EM-335	E CAPACITOR		IC5	NJM2233AD	IC
	C5		QETC1EM-106	E CAPACITOR	1	IC6	PB20290A-02	JOG MODULE(JA059)
	C6		QETC1EM-106	E CAPACITOR	1	IC7	M52055P	IC
	C7		QCFB1EZ-223	CAPACITOR	3	IC8		IC
	C8		QETC1EM-475	E CAPACITOR		IC9		Y MODULE
	C9		QCFB1EZ-223	CAPACITOR		IC10		
	C10		QCC11CK-104	CAPACITOR	•	1010	P820298A	Y MODULE
	-				_			
	C11		ACYPICH ACE			ICll	PB20286A-02	YNR MODULE
			QCXB1CM-222	CAPACITOR	1	IC12		IC
	C12		QCXB1CM-222	CAPACITOR	1	IC13	TC74HC04AP	IC
				į.		OR	MC74HC04AN	IC
	L1		PU53223-R22G	COIL	1	C14	AN6041	IC
						IC15		
	CF1		PU60414	CERAMIC FILTER			BA7021	IC
		Oρ			1	IC16	BU4066B	IC
		UK	PU60942-Z	CERAMIC FILTER				
	v 1				C	31	2SC1740S(QRS)	TRANSISTOR
	K1		PU60281-5	FERRITE BEADS	G	32		TRANSISTOR
ئد	K2		PU60281-5	FERRITE BEADS		3		TRANSISTOR
						14		
	SKT1		PGZ01001	IC SOCKET		75		TRANSISTOR
				TO COCKET				TRANSISTOR
	WR 1		PW30112-1045444	DADALLEL UTDE		16		TRANSISTOR
		00	PW30112-LOAF6AH	PARALLEL WIKE		7		TRANSISTOR
		UK	PW30117-LOAG6AH	PAKALLEL WIRE	Q	18	2SA933S	TRANSISTOR
					Q	19		TRANSISTOR
	CNI		PU59934-17	WIRE HOLDER	Q	110		TRANSISTOR
				•				

#.j. REF N	O. PART NO.	PART NAME, DESCRIPTION	♣À REF NO.		PART NAME, DESCRIPTION
			- "	MA165	DIODE
*					DIODE
Q11	2SA933S	TRANSISTOR	D16	188133	
Q12	2SC1740S(QRS)	TRANSISTOR		MA165	DIODE
Q13	2SC1740S(QRS)	TRANSISTOR	017	155133	DIODE
Q14	2SA933S	TRANSISTOR	OR	MA165 ·	DIODE
Q15	2SA933S	TRANSISTOR	D18	1S\$13 3	DIODE
		TRANSISTOR	OR	MA165	DIODE
Q16	2SA933S	TRANSISTOR	D20	0A9OUF	DIODE
Q17	DTC124ES				
Q18	2SK381(C)	FE TRANSISTOR	D21	0A9DUF	DIODE
Q19	25A9335	TRANSISTOR	D22	155133	DIODE
Q20	2SC1740S(QRS)	TRANSISTOR			DIODE
				MA165	
Q21	2SC1740S(QRS)	TRANSISTOR	D23	155133	DIODE
Q22	DTC144ES	TRANSISTOR	. OR	MA165	DIODE
Q23	2SA933S	TRANSISTOR	. D24	155133	DIODE
	2SA933S	TRANSISTOR	, OR	MA165	DIODE
Q24		TRANSISTOR	D26	188133	DIODE
Q25	2SA933S		l os	R MA165	DIODE
Q26	2SC1740S(QRS)	TRANSISTOR	D27	188133	DIODE
Q27	DTC124ES	TRANSISTOR		R MA165	DIODE
Q28	DTC124ES	TRANSISTOR			DIODE
Q29	DTA124ES	TRANSISTOR	D28	155133	
Q30	2\$C1740\$(QR\$)	TRANSISTOR		R MA165	DIODE
400			029	188133	DIODE
031	2SC1740S(QRS)	TRANSISTOR	OF	R MA165	DIODE
		TRANSISTOR			
Q32	DTA124ES		D31	188133	DIODE
Q33	2SA933S	TRANSISTOR		R MA165	DIODE
Q34	2SC1740S(RS)	TRANSISTOR	D32	188133	DIODE
Q35	2SB851Q,R	TRANSISTOR	.		DIODE
Q36	DTA124ES	TRANSISTOR	I	R MA165	
Q37	DTA124ES	TRANSISTOR	D34	RD9.1ES-T1B2	ZENER DIODE
Q38	DTC124ES	TRANSISTOR			
Q39	2SC3313CTA	TRANSISTOR	R1	QRD161J-562	RESISTOR
Q40	2SC3313CTA	TRANSISTOR	R2	QRD161J-822	RESISTOR
Q 40	2303313014	111111111111111111111111111111111111111	R3	QRD161J-223	RESISTOR
		TOANCICTOR	R4	QRD161J-182	RESISTOR
Q41	2SC1740S(QRS)	TRANSISTOR	R5	QRD161J-821	RESISTOR
Q42	2SC2647C	TRANSISTOR	R6	QRD161J-681	RESISTOR
Q43	2SC2647C	TRANSISTOR	R7	QRD161J-223	RESISTOR
Q45	2SC1740S(QRS)	TRANSISTOR		QRD161J-273	RESISTOR
Q46	2SA933S	TRANSISTOR	R8		RESISTOR
Q47	2SC1740S(QRS)	TRANSISTOR	R9	QRD161J-223	
Q48	2SC1740S(QRS)	TRANSISTOR	R10	QRD161J-681	RESISTOR
Q49	2SA933S	TRANSISTOR	i i		
	2\$A933\$	TRANSISTOR	R11	QRD161J-331	RESISTOR
Q50	2347555	TRANSCO TON	R12	QRD161J-331	RESISTOR
	2010776	TRANSTETOR	[R13	QRD161J-475	RESISTOR
Q51	2SA933S	TRANSISTOR	R14	QRD161J-102	RESISTOR
Q52	2SC1740S(QRS)	TRANSISTOR	R15	QRD161J-103	RESISTOR
Q53	DTC124ES	TRANSISTOR	R16	QRD161J-222	RESISTOR
Q54	DTC144ES	TRANSISTOR		QRD161J-821	RESISTOR
Q55	2SA933S	TRANSISTOR	R17		
-			R18	QRD161J-102	RESISTOR
D1	188133	DIODE	R19	QRD161J-222	RESISTOR
٠.	OR MA165	DIODE	R20	QRD161J-122	RESISTOR
D2	188133	DIODE		•	
02	OR MA165	DIODE	R21	QRD161J-102	RESISTOR
			R22	QRD161J-681	RESISTOR
D3	155133	DIODE	R23	QRD161J-102	RESISTOR
	OR MA165	DIODE	R24	QRD161J-122	RESISTOR
D4	188133	DIODE	R25	QRD161J-562	RESISTOR
	OR MA165	DIODE			RESISTOR
D5	188133	DIODE	R26	QRD121J-181	
	OR MA165	DIODE	R27	QVZ3518-102	V RESISTOR
D6	188133	DIODE	R28	QRD161J-471	RESISTOR
	OR MA165	DIODE	R29	QRD161J-821	RESISTOR
D7	155133	DIODE	R30	QRD161J-561	RESISTOR
0/		DIODE	l		
	OR MA165		R31	QRD161J-471	RESISTOR
D8	188133	DIODE	R32	QRD161J-153	RESISTOR
	OR MA165	DIODE.	R33	QRD161J-561	RESISTOR
D10	188133	DIODE		QRD161J-182	RESISTOR
	OR MA165	DIODE	R34		RESISTOR
			R35	QRD161J-102	
D11	188133	DIODE	R36	QRD161J-221	RESISTOR
	OR MA165	DIODE	R37	QRD161J-271	RESISTOR
D12		DIODE	R38	QRD161J-471	RESISTOR
012		DIODE	R39	QRD161J-152	RESISTOR
	OR MA165	DIODE	R40	QRD161J-152	RESISTOR
D13	188133	DIODE	•		

#丞 REF NO.	PART NO.	PART NAME, DESCRIPTION	**	REE NO.	PART NO.	PART NAME, DESCRIPTION
		THE NAME OF SOME TEST				
				R111	QRD161J-223	RESISTOR
R41	QRD161J-562	RESISTOR		R112	QRD161J-391	RESISTOR
R42	QVZ3518-103	V RESISTOR		R113	QRD161J-391	RESISTOR
R43	QRD161J-103	RESISTOR		R114	QRD161J-391	RESISTOR
R44	QRD161J-331	RESISTOR		R115	QRD161J-391	RESISTOR
R45	QRD161J-331	RESISTOR		R116	QRD161J-391	RESISTOR
R46	QRD161J-331	RESISTOR		R117	QRD161J-223	RESISTOR
R47	QRD161J-152	RESISTOR		R118	QVZ3520-223	V RESISTOR
R48	QRD161J-391	RESISTOR		R119	QVZ3520-472	V RESISTOR
R49	QRD161J-152	RESISTOR		R120		
R50	QRD161J-102	RESISTOR		K120	QRD161J-102	RESISTOR
	4KD1013 102	KE31310K		R122	0001414-102	DECTOR
R51	QRD161J-153	RESISTOR			QRD161J-102	RESISTOR
				R123	QRD161J-102	RESISTOR
R52	QRD161J~683	RESISTOR		R124	QRD161J-102	RESISTOR
R53	QRD161J-122	RESISTOR		R125	QRD161J-102	RESISTOR
R54		RESISTOR		R126	QRD161J-102	RESISTOR
R55	QRD161J-391	RESISTOR		R127	QRD161J-472	RESISTOR
R57	QVZ3518-151	V RESISTOR		R128	QRD161J-562	RESISTOR
R58	QRD161J-241	RESISTOR		R129	QRD161J-103	RESISTOR
R60	QRD161J-273	RESISTOR		R130	QRD161J-393	RESISTOR
		•				
R61	QRD161J-223	RESISTOR		R131	QRD161J-272	RESISTOR
R62	QRD161J-222	RESISTOR		R132	QRD161J-104	RESISTOR
R63	QRD161J-102	RESISTOR		R133	QRD161J-104	RESISTOR
R64	QRD161J-102	RESISTOR		R135	QRD161J-473	RESISTOR
R65	QRD161J-152	RESISTOR		R136	QRD161J-393	RESISTOR
R66	QRD161J-561	RESISTOR		R137	QRD161J-153	RESISTOR
R67	QRD161J-821	RESISTOR		R138	QRD161J-561	RESISTOR
R68	QRD161J-471	RESISTOR		R139	QRD161J-182	RESISTOR
R69					QRD161J-271	
R70	QRD161J-123	RESISTOR RESISTOR		R140	@KD1613-2/1	RESISTOR
N/O	QRD161J-473	KESISION		D141	0001/11-227	DECYCTOR
D 7 1	0001/11 122	DECICION		R141	QRD161J-223	RESISTOR
R71	QRD161J-122	RESISTOR		R142	QRD161J-392	RESISTOR
R72	QRD161J-102	RESISTOR		R145	QRD161J-562	RESISTOR
R73	QRD161J-822	RESISTOR	_	R146	QRD161J-682	RESISTOR
R74	QRD161J-182	RESISTOR	Δĥ	R147	QRD121J-680	RESISTOR
R75	QVZ3518-102	V RESISTOR		R148	QRD161J-271	RESISTOR
R76	QRD161J-272	RESISTOR		R149	QRD161J-101	RESISTOR
R77	QRD161J-332	RESISTOR		R150	QRD161J-101	RESISTOR
R78	QRD161J-183	RESISTOR				
R79	QRD161J-222	RESISTOR		R151	QRD161J-393	RESISTOR
R80	QRD161J-681	RESISTOR		R152	QRD161J-822	RESISTOR
				R153	QRD161J-122	RESISTOR
R81	QRD161J-223	RESISTOR		R154	QRD161J-271	RESISTOR
R82	QRD161J-393	RESISTOR		R155	QRD161J-222	RESISTOR
R83	QRD161J-153	RESISTOR		R156	QRD161J-221	RESISTOR
R84	QRD161J-154	RESISTOR		R157	QRD161J-221	RESISTOR
R85	QRD161J-124	RESISTOR			duping FF1	RESISTOR
R87	QRD161J-394	RESISTOR		R161	0001411-222	DECTOTOR
R88		RESISTOR			QRD161J-222	RESISTOR
R89	QRD161J-475			R163	QVZ3518-681	V RESISTOR
407	QRD161J-562	RESISTOR		R164	QRD161J-102	RESISTOR
R91	0V77E18-477	V DECTOTOD		R165	QRD161J-102	RESISTOR
	QVZ3518-473	V RESISTOR		R166	QRD161J-151	RESISTOR
R92	QVZ3518-473	V RESISTOR		R167	QRD161J-102	RESISTOR
R93	QRD161J-223	RESISTOR		R168	QRD161J-102	RESISTOR
R94	QRD161J-821	RESISTOR		R169	QRD161J-223	RESISTOR
R95	QVZ3518-102	V RESISTOR		R170	QRD161J-153	RESISTOR
R96	QRD161J-102	RESISTOR				
R97	QRD161J-103	RESISTOR		R171	QRD161J-121	RESISTOR
R98	QRD161J-223	RESISTOR		R172	QRD161J-101	RESISTOR
R 9.9	QRD161J-681	RESISTOR		R173	QRD161J-472	RESISTOR
R100	QRD161J-223	RESISTOR		R174	QRD161J-102	RESISTOR
				R175	QRD161J-331	RESISTOR
R101	QRD161J-153	RESISTOR		R176	QRD161J-392	RESISTOR
R102	QRD161J-561	RESISTOR		R177	ERT-D2FHL332S	THERMISTOR
R103	QVZ3518-102	V RESISTOR		R178	QRD161J-272	RESISTOR
R104	QRD161J-102	RESISTOR		R179	QRD1613-272	RESISTOR
R105	QRD161J-331	RESISTOR		R180		
R106	QRD161J-102	RESISTOR		4100	QRD161J-122	RESISTOR
R107		V RESISTOR	1	0101	0001414.542	DECISION
R107	QVZ3518-151			R181	QRD161J-562	RESISTOR
	QVZ3518-473	V RESISTOR	1	R182	QRD161J-101	RESISTOR
R109	QRD161J-223	RESISTOR		R183	QRD161J-101	RESISTOR
R110	QVZ3518-473	V RESISTOR		R184	QRD161J-272	RESISTOR
			Ī	R185	QRD161J-471	RESISTOR

#À REF NO.	PART NO.	PART NAME, DESCRIPTION	#A REF NO.		PART NAME, DESCRIPTION
R186	QRD161J-391	RESISTOR	C43	QEK61CM-106	
	QRD161J-621	RESISTOR	C44	QCVB1CN-103	CAPACITOR
R187		RESISTOR	C45	OCVR1CN-103	CAPACITOR
R188	QRD161J-392		C46	QCVB1CN-103	CAPACITOR
R189	QRD161J-181	RESISTOR	C47	QETC1CM-106	E CAPACITOR
R190	QRD161J-821	RESISTOR			E CAPACITOR
	*		C48	QETC1CM-106	
R191	QRD161J-222	RESISTOR	C49	QETC1CM-106	E CAPACITOR
R192	ERT-D2FGL102S	THERMISTOR	C50	QCVB1CN-103	CAPACITOR
R193	QRD161J-473	RESISTOR			
R194	QRD161J-473	RESISTOR	C51	QCSB1HJ-390	CAPACITOR
R195	QRD161J-561	RESISTOR	C52	QCVB1CN-103	CAPACITOR
R196	QRD161J-561	RESISTOR	C53	QETC1CM-476	E CAPACITOR
R197	QVZ3520-471	V RESISTOR	C54	QETC1CM-106	E CAPACITOR
R198	QRD161J-103	RESISTOR	C55	QEK61CM-106	E CAPACITOR
	QRD161J-121	RESISTOR	C56	QEK61CM-106	E CAPACITOR
R199		RESISTOR	C57	QEK61CM-106	E CAPACITOR
R200	QRD161J-102	RESISTOR	C58	QEK61CM-106	E CAPACITOR
	0001/11/770	DECICTOR	C60	QEK61CM-476	E CAPACITOR
R201	QRD161J-332	RESISTOR	1 000	42801011 410	u 011 1102 1011
R204	QRD161J-102	RESISTOR	C61	QCVB1CN-103	CAPACITOR
R205	QRD161J-102	RESISTOR		QCSB1HJ-470	CAPACITOR
<u>.</u> \$ R206	QRD121J-680	RESISTOR	C62		
R209	QRD161J-474	RESISTOR	C63	QCVB1CN-103	
R210	QRD161J-101	RESISTOR	C64	QCSB1HJ-470	CAPACITOR
			C65	QEK60JM-476	E CAPACITOR
R211	QRD161J-101	RESISTOR	C66	QEK61CM-106	E CAPACITOR
R212	QRD161J-122	RESISTOR	C67	QCVB1CN-103	CAPACITOR
""	4	,	C68	QEK61CM-106	E CAPACITOR
B1	QRD182J-0R0	RESISTOR, X2	C69	QCVB1CN-103	CAPACITOR
	QRD161J-0R0	RESISTOR	C70	QEK61CM~476	E CAPACITOR
82	ØKD1813-040	RESISTOR			
	00003111 540	CAPACITOR	C74	QCSB1HJ-560	CAPACITOR
Cl	QCSB1HJ-560		C76	QETCOJM-476	E CAPACITOR
C2	QCBB1HJ-101	CAPACITOR	C77	QETC1EM-335	E CAPACITOR
C3	QCBB1HJ-181	CAPACITOR			E CAPACITOR
C4 .	QETC1EM-475	E CAPACITOR	C78	QETCOJM-476	E CAPACITOR
C 5	QETC1HM-224	E CAPACITOR	C79	QETC1CM-106	
C6	QETCOJM-337	E CAPACITOR	C80	QETC1CM-106	E CAPACITOR
C7	QCVB1CN-103	CAPACITOR			
C8	QCSB1HJ-560	CAPACITOR	C81	QETCOJM-476	E CAPACITOR
C9	QETC1HM-105	E CAPACITOR	C82	QETC1EM-475	E CAPACITOR
C10	QCVB1CN-103	CAPACITOR	C83	QETC1EM-475	E CAPACITOR
0.0	40.220		C84	QCBB1HJ-121	CAPACITOR
C11	QCSB1HJ-680	CAPACITOR	C85	QCSB1HJ-560	CAPACITOR
C13	QCVB1CN-103	CAPACITOR	C86	QEK61CM-106	E CAPACITOR
C14		E CAPACITOR	C87	QCSB1HJ-150	CAPACITOR
	QETC1HM-225	M CAPACITOR	C88	QEK61HM-225	E CAPACITOR
C15	QCZ0208~104		C89	QEK61CM-106	E CAPACITOR
C16	QCBB1HJ-181	CAPACITOR	C90	QEK51CM-476	E CAPACITOR
C17	QCBB1HJ-391	CAPACITOR	L 6/6	QERSION 4.0	L ON NOTYON
C18	QETC1HM-225	E CAPACITOR	C91	OCVE1CH-107	CAPACITOR
C19	QETC1CM-106	E CAPACITOR		QCVB1CN-103	
C20	QETC1EM-335	E CAPACITOR	C92	QETC1CM-106	E CAPACITOR
			C93	QCBB1HJ-101	CAPACITOR
C21	QCVB1CN-103	CAPACITOR	C94	QCSB1HJ-270	CAPACITOR
C22	QCVB1CN-103	CAPACITOR	C95	QCSB1HJ-180	CAPACITOR
C23	QETC1CM-106	E CAPACITOR	C96	QETC1HM-335	E CAPACITOR
C24	QCVB1CN-103	CAPACITOR	C97	QCBB1HJ-151	CAPACITOR
C25	QCVB1CN-103	CAPACITOR	C98	QETC1HM-105	E CAPACITOR
C26	QCVB1CN-103	CAPACITOR	C99	QED60JM-127	E CAPACITOR
C27	QCVB1CN-103	CAPACITOR	C100	QCVB1CN-103	CAPACITOR
C28	QEK61EM-475	E CAPACITOR			
	QETC1EM-475	E CAPACITOR	C101	QETCOJM-337	E CAPACITOR
C29		CAPACITOR	C102	QCSB1HJ-120	CAPACITOR
C30	QCVB1CN-103	CAPACITOR	C103	QCBB1HJ~121	CAPACITOR
	054/154 /75	E CARACITOR	C103	QCBB1HJ-121	CAPACITOR
C31	QEK61EM-475	E CAPACITOR		QCBBIHJ-121 QCVB1CN-103	CAPACITOR
C35	QEK61EM-475	E CAPACITOR	C105		
C33	QER61AM-226	E CAPACITOR	C106	QCVB1CN-103	CAPACITOR
C34	QETCOJM-337	E CAPACITOR	C107	QCVB1CN-103	CAPACITOR
C35	QCVB1CN-103	CAPACITOR	C108	QCVB1CN-103	CAPACITOR
C36	QEP61EM-475	NP E CAPACITOR	C109	QCBB1HJ-101	CAPACITOR
C37	QER61EM-475	E CAPACITOR	C110	QCVB1CN-103	CAPACITOR
C38	QCVB1CN-103	CAPACITOR	1		
C40	QEK60JM-476	E CAPACITOR	C111	QETCOJM-476	E CAPACITOR
			C112	QCVB1CN-103	CAPACITOR
C41	QCVB1CN-103	CAPACITOR	C113	QCBB1HJ-101	CAPACITOR
C42	QETC1CM-106	E CAPACITOR	C114	QCVB1CN-103	CAPACITOR
U42	#F1020H 100				

<u>i.</u> *		PART NO.	PART NAME, DESCRIPTION			PART NO.	PART NAME, DESCRIPTION
	C115	QCVB1CN-103	CAPACITOR		L7	PU48530-101K	COIL
	C116	QCBB1HJ-101	CAPACITOR		L8	PU48530-101K	COIL
			· · · · · · · · · · · · · · · · · · ·		L9		COIL
	C117	QCVB1CN-103	CAPACITOR			PU48530-101K	
	C118	QCVB1CN-103	CAPACITOR		L10	PU48530-101K	COIL
	C119	QCVB1CN-103	CAPACITOR		122		
	C120	QCVB1CN-103	CAPACITOR		L11	PU48530-101K	COIL
					L12	PU48530-101K	COIL
	C121	QEK61CM-106	E CAPACITOR		L13	PU59152-220J	COIL
	C122	QCVB1CN-103	CAPACITOR		L14	PU48530-101K	COIL
	C123	QETC1HM-105	E CAPACITOR.		L15	PU48530-101K	COIL
	C124	QCVB1CN-103	CAPACITOR		L16	PU59152-820J	COIL
	C125	QETC1CM-476	E CAPACITOR		L17	PU48530-101K	COIL
	C126	QEK61AM-476	E CAPACITOR		L18	PU59152-560J	COIL
	C127	QCVB1CN-103	CAPACITOR		L19	PU48530-101K	COIL
	C130		E CAPACITOR		L20		COIL
	C130	QETCOJM-476	E CAPACITOR		LZU	PU48530-471K	COIL
	0171		CARACTTOR			BU50150 150 I	0071
	C131	QCVB1CN-103	CAPACITOR		L21	PU59152-150J	COIL
	C132	QETC1AM-476	E CAPACITOR .		L22	PU48530-101K	COIL
	C133	QCVB1CN-103	CAPACITOR		L23	PU48530-471K	COIL
	C134	QCVB1CN-103	CAPACITOR		L24	PU48530-560J	COIL
	C135	QETC1CM-476	E CAPACITOR		L25	PU59152-221J	COIL
	C136	QCVB1CN-103	CAPACITOR		L26	PU59152-560J	COIL
	C137	QETC1CM-476	E CAPACITOR		L27	PU48530-101K	COIL
	C138	QCVB1CN-103	CAPACITOR		L28	PU48530-101K	COIL
	C139		CAPACITOR		L29	PU48530-101K	
		QCVB1CN-103			L30	PU60165-8R2G	COIL
	C140	QETCOJM-476	E CAPACITOR		130	PU60165-0K20	COIL
						DU/03/E 0000	÷,
	C141	QCVB1CN-103	CAPACITOR		L31	PU60165-8R2G	COIL
	C142	QEN61HM-105	NP E CAPACITOR		L32	PU48530-101K	COIL
	C143	QETC1HM-104	E CAPACITOR		L33	PU59152-180J	COIL
	C144	QCVB1CN-103	CAPACITOR		L35	PU59152-1R0K	COIL
	C146	QCSB1HJ-220	CAPACITOR		L36	PU59152-1ROK	COIL
	C147	QCBB1HJ-101	CAPACITOR		L38	PU59152-5R6J	COIL
	C148	QCVB1CN-103	CAPACITOR		L39	PU48530-101K	COIL
	C149		CAPACITOR		L40	PU59152-820J	COIL
		QCSB1HJ-560				. 02/132 0200	V
	C150	QCSB1HJ-390	CAPACITOR		L41	PU59152-470J	COIL
	C151	QCVB1CN-103	CAPACITOR		L42	PU59152-221J	COIL
	C152	QEK61CM-336	E CAPACITOR		L43	PU48530-101K	COIL
	C153	QCSB1HK-5R6	CAPACITOR		L44	PU59152-151J	COIL
	C154	QCSB1HJ-390	CAPACITOR				
	C155	QCSB1HJ-120	CAPACITOR		EQ1	PU60099	EQUALIZER
	C156	QCSB1HJ-220	CAPACITOR		EQ2	PU60809	EQUALIZER
	C157	QCBB1HJ-181	CAPACITOR		EQ3	PU60810	EQUALIZER
	C159	QCVB1CN-103	CAPACITOR				
	C160	QCBB1HJ-151	CAPACITOR		LPF1	PU60813	LOW & BAND PASS FILTER
		40001			LPF2	PU60737	LOW PASS FILTER
	C162	QEK61CM-106	E CAPACITOR		LPF3	PU60806-2	LOW PASS FILTER
	C163				2.1.5	1 000000-E	LOW PASS FILTER
		QEK61CM-106	E CAPACITOR		0050	BUZ 0021	DAND DAGG CTLTED
	C165	QEK61CM-476	E CAPACITOR		BPF2	PU60921	BAND PASS FILTER
	C166	QCVB1CN-103	CAPACITOR		BPF3	PU60808-2	BAND PASS FILTER
	C167	QETC1CM-107	E CAPACITOR				
	C168	QCVB1CN-103	CAPACITOR		DL1	PU60815	DELAY LINE
	C169	QETC1CM-106	E CAPACITOR		DL3	PU61081	DELAY LINE
							*
	C171	QCVB1CN-103	CAPACITOR	Δî	X101	PU60438	CRYSTAL RESONATOR
	C172	QCVB1CN-103	CAPACITOR	_			
	C173	QCT25CH-470	CAPACITOR		Tl	PU60814	COIL
	C174	QCBB1HJ-471	CAPACITOR	ł	T2	PU60814	COIL
	C175	QCC31CJ-563	CAPACITOR	ĺ		1000014	6616
				l	TD/	BUE / AAS	TECT_DIN
	C178	QCVC1CN-103	CAPACITOR	1	TP6	PU56008	TEST-PIN
	C179	QCSB1HJ-470	CAPACITOR	l	TP10	PU57545	TEST-PIN, X38
	C180	QCSB1HJ-220	CAPACITOR			* 30 00 000	
						-COLOR SECTI	ON-
	C183	QCSB1HJ-390	CAPACITOR				
	C184	QCVB1CN-103	CAPACITOR		IC301	PB20287A-03	CHROMA MODULE (JA056-01)
	C185	QCSB1HK-3R9	CAPACITOR	l	IC302	PB20289A-02	JOG MODULE (JA058)
				l	IC303	NJM2233AD	IC
	L1	PU59152-220J	COIL	l			= =
	F.5		COIL	l	IC401	BA7106LS	ıc
		PU48530-101K		l			IC
	L3	PU48530-101K	COIL		uk	XRA7106LS	10
	L4	PU48530-101K	COIL		070:	201277	
	L5	PU48530-101K	COIL	1	Q301	2SA933S	TRANSISTOR
	L6	PU48530-101K	COIL	ı	Q302	DTC144WS	TRANSISTOR

# REF NO. P	ART NO.	PART NAME, DESCRIPTION	#À REF NO.		PART NAME, DESCRIPTION
Q303 D	TA124ES	TRANSISTOR	R324	QRD161J-391	RESISTOR
		TRANSISTOR	R325	QRD161J-223	RESISTOR
	SC1740S(QRS)			QRD161J-561	RESISTOR
	SC1740S(QRS)	TRANSISTOR	R326		
	SC2021Q,R,S	TRANSISTOR	R327	QRD161J-3,33	RESISTOR
	2SA937	TRANSISTOR	R328	QRD161J-102	RESISTOR
Q309 2	SC1740S(QRS)	TRANSISTOR	R329	QRD161J-222	RESISTOR
Q310 D	TC124ES	TRANSISTOR	R330	QRD161J-561	RESISTOR
Q311 2	SC1740S(QRS)	TRANSIȘTOR	R331	QRD161J-561	RESISTOR
Q312 D	TC114ES	TRANSISTOR	R332	QRD161J-393	RESISTOR
	TC114ES	TRANSISTOR	R333	QRD161J-223	RESISTOR
	TC144WS	TRANSISTOR	R334	QRD161J-221	RESISTOR
	SC1740S(QRS)	TRANSISTOR	R335	QRD161J-391	RESISTOR
	2SA933S	TRANSISTOR	R336	QRD161J-152	RESISTOR
	SC1740S(QRS)	TRANSISTOR	R337	QRD161J-333	RESISTOR
	SC1740S(QRS)	TRANSISTOR	R338	QRD161J-333	RESISTOR
	2SC1740S(QRS)	TRANSISTOR	R339	QRD161J-151	RESISTOR
	TC124ES	TRANSISTOR	R340	QRD161J-222	RESISTOR
				0001/11 771	DECTOR
	OTC124ES	TRANSISTOR	R341	QRD161J-331	RESISTOR
Q324 D	DTC124ES	TRANSISTOR	R342	QRD161J-561	RESISTOR
Q326 2	2SA933 S	TRANSISTOR	R343	QRD161J-393	RESISTOR
Q327 2	2SA933S(QRS)	TRANSISTOR	R344	QRD161J-332	RESISTOR
			R345	QRD161J-472	RESISTOR
Q331 C	DTC124ES	TRANSISTOR	R346	QRD161J-103	RESISTOR
400-			R347	QRD161J-473	RESISTOR
Q401 E	DTA124ES	TRANSISTOR	R348	QRD161J-391	RESISTOR
	DTA124ES	TRANSISTOR	R349	QRD161J-821	RESISTOR
	DTC124ES	TRANSISTOR	R350	QRD161J-471	RESISTOR
Q403 L	D1012423		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	
D301 1	1SS13 3	DIODE	R351	QRD161J-102	RESISTOR
OR N	MA165	DIODE	R352	QRD161J-102	RESISTOR
D302 1	188133	DIODE	R353	QVZ3518-222	V RESISTOR
OR N	MA165	DIODE	R354	QRD161J-222	RESISTOR
			R355	QVZ3518-222	V RESISTOR
D311 1	188133	DIODE	R357	QRD161J-333	RESISTOR
	MA165	DIODE	R358	QRD161J-223	RESISTOR
	155133	DIODE	R359	QRD161J-223	RESISTOR
	MA165	DIODE	R360	QRD161J-102	RESISTOR
		DIODE	1 100	GWD1010 102	1120201011
	1SS133	DIODE	R361	QR0161J-821	RESISTOR
	MA165		1		RESISTOR
	188133	DIODE	R362	QRD161J-103	RESISTOR
	MA165	DIODE	R363	QRD161J-103	
	155133	DIODE	R364	QRD161J-223	RESISTOR
ORI	MA165	DIODE	R366	QRD161J-103	RESISTOR
			R367	QRD161J-473	RESISTOR
	1SS133	DIODE	R368	QRD161J-332	RESISTOR
	MA165	DIODE			
D402	188133	DIODE	R371	QRD161J-272	RESISTOR
OR I	MA165	DIODE	R380	QRD161J-682	RESISTOR
D403	188133	DIODE	ł		
OR I	MA165	DIODE	R401	QRD161J-103	RESISTOR
			R402	QRD161J-914	RESISTOR
R302	QRD161J-102	RESISTOR	R403	QRD161J-104	RESISTOR
R303	QRD161J-102	RESISTOR	R404	QRD161J-333	RESISTOR
	QRD161J-102	RESISTOR	R405	QRD161J-273	RESISTOR
	QRD161J-102	RESISTOR	Ì	•	
	QRD161J-225	RESISTOR	C301	QETC1HM-105	E CAPACITOR
	QRD161J-103	RESISTOR	C302	QETC1HM-105	E CAPACITOR
	QRD161J-102	RESISTOR	C303	QCC31CJ-223	CAPACITOR
		RESISTOR	C304	QETCOJM-107	E CAPACITÓR
R310	QRD161J-222	UF01310U			E CAPACITOR
	0001/11 000	DECTOTOR	C305	QETC1HM-105	
	QRD161J-222	RESISTOR	C307	QCSB1HJ-330	CAPACITOR
	QRD161J-561	RESISTOR	C308	QCSB1HJ-390	CAPACITOR
	QRD161J-561	RESISTOR	C309	QFN41HJ-473	M CAPACITOR
R314	QRD161J-103	RESISTOR	C310	QCSB1HJ-560	CAPACITOR
R315	QRD161J-471	RESISTOR	1		
	QRD161J-223	RESISTOR	C311	QEK60JM-476	E CAPACITOR
	QRD161J-102	RESISTOR	C312	QCVB1CN-103	CAPACITOR
	QRD161J-102	RESISTOR	C314	QCBB1HJ-820	CAPACITOR
			C315	QCC31CK-682	CAPACITOR
R321	QRD161J-561	RESISTOR	C316	QCVB1CN-103	CAPACITOR
	QRD161J-471	RESISTOR	C317	QCXB1CN-222	CAPACITOR
	QRD161J-272	RESISTOR	C318	QCBB1HJ-820	CAPACITOR
R323	ÆνħΙΘΙ∩_ς\ς	n_02010N	,		

.i. #		PART NO.	PART NAME, DESCRIPTION	£. *	REF NO.	PART NO.	PART NAME, DESCRIPTION
	C320	QCVB1CN-103	CAPACITOR		LPF301	PU58022	LOW PASS FILTER
	C321	QETC1HM-105	E CAPACITOR				2011 1 1100 1 22121
	C322	QETC1HM-104	E CAPACITOR		BPE301	PU57072	BAND PASS FILTER
	C323					PU57072-2	BAND PASS FILTER
		QEK61EM-475	E CAPACITOR				
	C324	QCC31CK-104	CAPACITOR			PU60654	BAND PASS FILTER
	C325	QETCOJM-337	E CAPACITOR		OR	PU60654-2	BAND PASS FILTER
	C326	QCC31CK-563	CAPACITOR				
	C327	QETCOJM-107	E CAPACITOR	⚠	CF301	PU57073	CERAMIC FILTER
	C328	QETC1EM-335	E CAPACITOR.				
	C329	QETCOJM-337	E CAPACITOR		DL301	PU58971-3	COMB FILTER
	C330	QETB1HM-474	E CAPACITOR				
		42.22			X301	PU60653	CRYSTAL UNITS
	C331	QETC1HM-474	E CAPACITOR			. 000033	CKISTAL CHIIS
	C332		3		T301	DU/ 0057	1.0.01.00%
		QETC1HM-474	E CAPACITOR			PU49057	LC BLOCK
	C333	QEK61HM-474	E CAPACITOR		T401	PU60655	COIL
	C334	QETC1HM-474	E CAPACITOR				
	C335	QETC1CM-106	E CAPACITOR	***	******	***********	*********
	C336	QCVB1CN-103	CAPACITOR				
	C337	QCBB1HJ-121	CAPACITOR				
	C338	QCVB1CN-103	CAPACITOR		***	***********	*********
	C339	QCVB1CN-1D3	CAPACITOR		×		OARD ASSEMBLY <06> *
	000,	40101011 100	VAI, 102 1011		****		********
	C741	OCVP1CN-107	CARACTTOR				
	C341	QCVB1CN-103	CAPACITOR				
	C342	QCSB1HJ-100	CAPACITOR		PHP 4	DCE202004 07	TERMINAL BOARD AGOV
	C343	QCVB1CN-103	CAPACITOR		PWBA	PGE30200A-03	TERMINAL BOARD ASSY
	C345	QCVB1CN-103	CAPACITOR				+ 5,
	C346	QCVB1CN-103	CAPACITOR				
	C347	QCS81HJ-390	CAPACITOR		-		
	C348	QCVB1CN-103	CAPACITOR		D1	RD10ESB1	ZENER DIODE
	C349	QCVB1CN-103	CAPACITOR		D2	RD10ESB1	ZENER DIODE
	C350	QCVB1CN-103	CAPACITOR		D7	188133	DIODE
	0350	ACABICH-102	CAFACITOR		D8	155133	DIODE
	C7 E 1	0000100 107	CARACTTOR		50	100100	01000
	C351	QCVB1CN-103	CAPACITOR		D 3	0001/71-102	RECICION
	C352	QEK60JM-476	E CAPACITOR		R1	QRD167J-102	RESISTOR
	C353	QCVB1CN-103	CAPACITOR		R2	QRD167J-102	RESISTOR
	C355	QCVB1CN-103	CAPACITOR		R3	QVZ3518-105	V RESISTOR
					R7	QRD167J-750	RESISTOR
	C401	QEK61CM-106	E CAPACITOR		R8	QRD167J-750	RESISTOR
	C402		E CAPACITOR		R9	QRD167J-750	RESISTOR
	C403	QCBB1HJ-471	CAPACITOR				
					C1	QCBB1HK-102	CAPACITOR
	C404	QCVB1CN-103	CAPACITOR		C5	QCBB1HK-102	
	C405	QCVB1CN-103	CAPACITOR		C ₂	#CDD1HK-102	CAPACITOR
	C406	QCVB1CN-103	CAPACITOR				
	C407	QFN31HJ-471	M CAPACITOR		LC1	PU59885-102	N FILTER
	C408	QCSB1HJ-470	CAPACITOR	Δ	LC2	PU59885-102	N FILTER
	C409	QCXB1CN-472	CAPACITOR				
	C410	QCSB1HK-4R7	CAPACITOR		K1	PU58903	FERRITE CORE
	=						
	C411	QCSB1HJ-200	CAPACITOR		Jl	PGZ00592	7P CONNECTOR
	C412	QEK60JM-107	E CAPACITOR		J2	PGZ00593	7P CONNECTOR
	C413		CAPACITOR			*	
	J413	QCVB1CN-103	on, not ton		TB1	PGZ01267	TERMINAL BOARD
	L301	DU69570-1014	COLL				
		PU48530-101K	COIL		CN1	PU58929-18	CONNECTOR
	L303	PU48530-101K	COIL				
	L304	PU59152-390J	COIL		CN2	PU58929-13	CONNECTOR
	L305	PU48530-222J	COIL				
	L306	PU59152-221J	COIL	**	******	**********	*********
	L307	PU48530-821J	COIL				
	L308	PU48530-101K	COIL				
	L309	PU59152-100J	COIL		****	***********	*********
	L310	PU59152-100J	COIL		*		D ASSEMBLY <09>. *
	2010	· 957152-1003	COIL				*********
	1711	DUE0157 0001	COTI		~~~		
	L311	PU59153-822J	COIL				
	L312	PU59153-101K	COIL				
	L313	PU59153-101K	COIL				
	L314	PU48530~101K	COIL				
	L316	PU59152-150J	COIL	1	PWBA	PGE20307A	AUDIO BOARD ASSY
	L317	PU48530-101K	COIL	1			
				1	ICl	AN33BONK	IC
	L401	PU59152-330J	COIL		IC2	TA7361AP	IC
				l	IC3	PB20167A-01	FMA MODULE
	L402	PU48530-101K	COIL	l		. JE010/ M-01	THE HUDULL
	F075-		50041 7755	l	IC101	HPC78NOF	ıc
	EQ301	PU60811-2	EQUALIZER	ı	10101	UPC78N05	10

* *	DEE NO.	. ,	PART NO.	PART NAME,	DESCRIPTION				PART NO.	PART NAM	E, DESCRIF	TION	
		_					R28		 QVZ3518-102	V RESIST			
					·		R29		QRD161J-102	RESISTOR			
	Q1		2SC1740S(RS)	TRANSISTOR	1								
	Q2		2SC3311(RS)	TRANSISTOR			R31		ORD161J-151	RESISTOR			
	Q3		DTC114ES	TRANSISTOR			R32		QRD161J-102 ·	RESISTOR			
	Q4		2SC1740S(RS)	TRANSISTOR			R33		QRD161J-102	RESISTOR		٠.	
•	Q5	1	DTC114ES	TRANSISTOR			R34		QRD161J-151	RESISTOR			
	Q6	3	DTC114ES	TRANSISTOR		ļ	R40		QRD161J-222	RESISTOR			
	Q7		DTC114ES	TRANSISTOR			740		directo co-	,,,			
	Q8		DTAll4ES	TRANSISTOR			R41		QRD161J-222	RESISTOR			
	Q9		DTA114ES	TRANSISTOR			R43		QRD161J-101	RESISTOR			
	Q10		2SC1740S(RS)	TRANSISTOR					QRD161J-101	RESISTOR			
							R44		QRD161J-392	RESISTOR			
	Q11		2SC1740S(RS)	TRANSISTOR			R45		QRD161J-332	RESISTOR			
	Q12		DTC143TS	TRANSISTOR		1	R46		QRD161J-123	RESISTOR			
	Q13		DTC143TS	TRANSISTOR			R47		QRD161J-223	RESISTOR			
	Q16		2SC3311(RS)	TRANSISTOR		l	R48 R49		QRD161J-274	RESISTOR			
	Q17		DTA114ES	TRANSISTOR		i	R50		QRD161J-222	RESISTOR			
	Q18		DTC114ES	TRANSISTOR		l	KOU		AKDIOIO LLL				
	Q20		DTA114ES	TRANSISTOR		1	R51		QRD161J-222	RESISTOR	t		
						i	R52		QRD161J-103	RESISTOR			
	Q23		DTA143TS	TRANSISTO	t				QRD161J-333 -				
						1	R53		QRD161J-183	RESISTOR			
	Q101		2SD1764	TRANSISTO		1	R54		QRD161J-392	RESISTOR			
	Q102		2SA854S(QR)	TRANSISTO	₹ '	1	R55		QRD161J-272	RESISTO			
	Q103		2SA854S(QR)	TRANSISTO	₹ .	1	R56		QRD161J-181	RESISTOR			
							R57		QRD161J-333				
	D1		188133	DIODE		1	R58		QRD161J-333	RESISTO			
		OR	MA165	DIODE		1	R59		QRD161J-333	RESISTO			
	D3		188133	DIODE		1	R60		MKD1910-333	11202010	•		
		DR	MA165	DIODE		l	0/0		QRD161J-333	RESISTO	R		
	D5		188133	DIODE .		1	R62		QRD161J-102	RESISTO			
		OR	MA165	DIODE		ı	R63		QRD161J-331	RESISTO			
	D6		188133	DIODE			R64		QRD161J-223	RESISTO			
		OR	MA165	DIODE		1	R65		QRD161J-6R8	RESISTO			
	D7		188133	DIODE			R66		QRD161J-333	RESISTO			
		OR	MA165	DIODE		ı	R67		QRD161J-333	RESISTO			
	D8		188133	DIODE		1	R68		QRD161J-273	RESISTO			
		OR	MA165	DIODE		1	R70		GKD1912-512		••		
	D9		HZ2BLL	DIODE			073		QRD161J-392	RESISTO	R		
							R72		QVZ3518-332	V RESIS			
	D12		188133	DIODE			R73		QVZ3518-332	V RESIS			
		OR	MA165	DIODE		1	R74 R76		QRD161J-151	RESISTO			
	D16		188133	DIODE		ì			QVZ3518-331	V RESIS			
		OR	MA165	DIODE			R80		4453310 001				
	D17		188133	DIODE		- 1	R81		QRD161J-103	RESISTO	R		
		OR	MA165	DIODE		1	R82		QRD161J-153	RESISTO			
						-	R83		QRD162J-222	RESISTO			
	D101		HZ12A2	ZENER DI	BDE	1	R84		QRD162J-222	RESISTO			
	D102		188133	DIODE		-	R85		QRD161J-222	RESISTO			
		OR	MA165	DIODE		1			QRD161J-103	RESISTO			
						-	R86		QRD161J-102	RESISTO			
	R3		QRD161J-102	RESISTOR		- 1	R87		QRD161J-102	RESISTO			
	R4		QRD161J-682	RESISTOR		1	R88		QRD161J-820	RESIST			
	R5		QRD161J-151	RESISTOR		- 1	R89		ØKD1912.050	WC01011			
	R6		QRD161J-152	RESISTOR		- 1	201		QRD161J-103	RESIST	n R		
	R7		QRD161J-222	RESISTOR		-	R91		MKD1012-102	WE5101			
	R8		QRD161J-100	RESISTOR		- 1	0101		QRD161J-182	RESIST	ne.		
	R9		QVZ3518-473	V RESIST		- 1	R101		QRD161J-103	RESIST			
	R10		QRD161J-333	RESISTOR		ļ	R103		QRD161J-222	RESIST			
						1	R104			RESIST			
	R11		QRD161J-473	RESISTOR		1	R105		QRD161J-103	RESIST			
	R12		QRD161J-101	RESISTOR			R106		QRD161J-681	RESIST			
	R13		QRD161J-273	RESISTOR		ļ	R107		QRD161J~152	RESIST			
	R14		QRD161J-3R9	RESISTOR		- 1	R108		QRD161J-391	RESIST			
	R15		QRD161J-103	RESISTOR		ı	R109		QRD161J-332	RESIST			
	R18		QRD161J-ORO	RESISTOR		- 1	R110	J	QRD161J-153	VE3131			
	R20		QRD161J-183	RESISTOR					OFTC1CH-10/	E CAPA	CTTOR		
			•			1	C1		QETC1CM-106 QETC1AM-476	E CAPA			
	R21		QRD161J-270	RESISTOR	:	-	C2				APACITOR		
	R22		QRD161J-470	RESISTOR	:	l	C3		QEP61CM-106	E CAPA			
	R23		QRD161J-303	RESISTOR	!	- 1	C4		QETC1CM-106	E CAPA			
	R25		QRD161J-103	RESISTOR			C5		QETC1CM-226	E CAPA		•	
	R26		QRD161J-274	RESISTOR	!	- 1	C6		QETCIAM-336	E CAPA			
	R27		QRD161J-471	RESISTOR		1	67		QETC1AM-476	E CAPA	CITOR		

		PART NO.	PART NAME, DESCRIPTION			. PART NO.	PART NAME, DESCRIPTION
C		QCBB1HK-102	CAPACITOR		C75	QCC11EJ-102	CAPACITOR
	9	QCBB1HK-101			C76	QFV71HJ-333	M CARACTTOR
	ío	QETC1AM-336	E CAPACITOR				
•		WEIGIAN 550	L CALACTION			R QFN31HJ-333	M CAPACITOR
C-	11	QETC1AM-107	E CAPACITOR		C77		, E CAPACITOR
	12	QETC1CM-226	E CAPACITOR		C78	QFV71HJ-104	M CAPACITOR
	13	OFTRICM-104	E CAPACITOR			R QFN31HJ-104	M CAPACITOR
		QETB1CM-106			C79	QCC11EJ-273	CAPACITOR
	14	QEP61CM-106	NP E CAPACITOR				
	15	QETB1AM-476	E CAPACITOR		C101	QEK61EM-336	E CAPACITOR
	16	QETC1CM-106	E CAPACITOR		C102	QCBB1HK-102	CAPACITOR
	17	QCBB1HJ-331	CAPACITOR		C103	QEK61HM-105	E CAPACITOR
C.	18	QFV71HJ-223	M CAPACITOR		C104	QETC1CM-106	E CAPACITOR
_		QFN31HJ-223	M CAPACITOR		C105	QFV81HJ-153	TF CAPACITOR
	19	QCC11EJ-222	CAPACITOR		C106	QCBB1HJ-681	CAPACITOR
C	20	QCC11EJ-102	CAPACITOR		C107	QCBB1HJ-391	CAPACITOR
C	21	QEK61EM-475	E CAPACITOR		L1	PU54223-101J	COIL
C	22	QETB1EM-475	E CAPACITOR		L3	PU58308-392J	COIL
C	24	QCBB1HJ-561	CAPACITOR		L4	PU54223-221J	COIL
C	25	QETC1HM-225	E CAPACITOR		L5	PU54223-101J	COIL
C	26	QETC1AM-336	E CAPACITOR			1054225-1015	COIL
	27	QETCOJM-476	E CAPACITOR		0051	BU40430	DAND DAGG STITES
	28	QFN31HJ-104	M CAPACITOR		BPF1	PU60610	BAND PASS FILTER
		QFV71HJ-104	M CAPACITOR		BPF2	PU60611	BAND PASS FILTER
C	29	QFV71HJ-473	M CAPACITOR				
	30	QETC1HM-105	E CAPACITOR		T1	PU60320	OSC TRANSFORMER
•	•	42.01 105	E CAI ACTION	₫.	T2	PU60321	OSC TRANSFORMER
۲.	32	QFN31HJ-123	M CAPACITOR				₹,
	33	QFV71HJ-274	M CAPACITOR		HN1	PU58018-1-2	PWB HINGE, X2
	34	QE851CM-226	E CAPACITOR				
	35		E CAPACITOR	Žt∟	HS1	PU60185	HEAT SINK
	36	QEB51HM-105	E CAPACITOR		HS2	PU60261	HEAT SINK
	37	QETB1CM-106					
			E CAPACITOR		SCW1	DPSP3008Z	SCREW
	38 70	QETC1CM-476	E CAPACITOR				
	39	QETC1AM-336	E CAPACITOR		SLD1	PU59960	PRE AMP SHIELD1
Ľ.	40	QETC1CM-106	E CAPACITOR		SLD2	PU59961	PRE AMP SHIELD2
•	,,	0570104 (7/			SLD3	PQ43345-1-1	SHIELD PLATE
	41	QETC1CM-476	E CAPACITOR				•
	42	QETC1HM-225	E CAPACITOR		TP1	PU55774	TEST PIN, X7
	43	QETC1CM-106	E CAPACITOR				
	44	QETC1HM-225	E CAPACITOR		CN1	PU58844-3Y	CAP HOUSING
	45	QEN61HM-225	NP E CAPACITOR		CN2	PU59555-8	CAP HOUSING
	46	QEN61HM-225	NP E CAPACITOR		CN4	PU59555-5	CAP HOUSING
	47	QETC1HM-225	E CAPACITOR		CN5	PU58844-4	CAP HOUSING
	49	QCF31HP-223	CAPACITOR		CN6	PU58844-2	CAP HOUSING CAP HOUSING
C!	50	QFV71HJ-104	M CAPACITOR		CN7	PU58844-4	CAP HOUSING
	OR	QFN31HJ-104	M CAPACITOR		CN9	PU58844-8	CAP HOUSING
					CN10	PU58844-5	CAP HOUSING
C!	51	QFV71HJ-104	M CAPACITOR				- H- H
		QFN31HJ-104	M CAPACITOR		CN11	PU58844-3	CAP HOUSING
C!	52	QFV71HJ-104	M CAPACITOR		CN12	PU58844-6	CAP HOUSING
	OR	QFN31HJ-104	M CAPACITOR		CN14	PU58844-2Y	CAP HOUSING
C!	53	QCF31HP-223	CAPACITOR		01124	1030044 21	CAI HOUSING
C!	54	QEK60JM-107	E CAPACITOR		CP1	ICP-F20	CIRCUIT PROTECTOR
C!	55	QCVB1CN-103	CAPACITOR		CFI	107-720	CIRCUIT PROTECTOR
C!	56	QCBB1HJ-102	CARACTTOR			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
C!	57	QCSB1HJ-330	CAPACITOR	***	****	******	***********
	58	QCBB1HJ-331	CAPACITOR				
	59	QCBB1HJ-102	CAPACITOR				
	60	QCVB1CN-103	CAPACITOR				*********
		40.010 100	5.11 F102 F 5.11		*		BOARD ASSEMBLY <10> *
C	61	QCVB1CN-103	CAPACITOR		***	***********	**********
	62	QCVB1CN-103	CAPACITOR				
	63	QCC11EJ-272	CAPACITOR		D. 15 4	DOFF	
	66	QETC1CM-106	E CAPACITOR		PWBA	PGE20309A-01	AV IN/OUT BOARD ASSY
	67	QETC1CM-106	E CAPACITOR				
	68		E CAPACITOR E CAPACITOR				
	69	QETC1HM-225					
		QETC1HM-225	E CAPACITOR	1	CN2	PU58844-3	CAP HOUSING
	70	QCBC1HJ-391	CAPACITOR	1	CN3	PU59555-5	CAP HOUSING
~	71	0000141 701	CADACTTOR	Ì			
	71 72	QCBB1HJ-391	CAPACITOR	i	CN16	PU58929-16	CAP HOUSING
	72	QCBB1HK-561	CAPACITOR	l	CN17	PU58929-15	CAP HOUSING
	73 74	QCBB1HK-561	CAPACITOR				
C.	74	QCC11EJ-332	CAPACITOR	l	CN301	PU58844-5	CAP HOUSING

4.4	REF NO.	PART NO.	PART NAME, DESCRIPTION	#& REF NO.		PART NAME, DESCRIPTION
	CN304 CN307	PU58844-3 PU58844-4	CAP HOUSING .	C21	QEK61CM-106	E CAPACITOR
		-AUDIO SECTI	ON-	SLD2	PQ42994	SHIELD PLATE
		-40010 01011		SLD3	PQ42995	
	IC1	TC4052BP	IC			
	OR	MC14052BCP	IC		-VIDEO SECTI	ION-
	IC2	M5218P	IC	[
	IC3	M5218P	IC	1		
	Q1	2SD1450S,T	TRANSISTOR	10301	NJM2234S	ıc
	Q2	2SC1740S(QRS)	TRANSISTOR	IC302	NJM2234S	IC
	Q3	2SC1740S(QRS)	TRANSISTOR	10303	NJM2243S	IC
				IC304	NJM2234S	IC
	R1	QRD161J-102	RESISTOR	10305	TC74HC4066AP	IC
	R2	QRD161J-102	RESISTOR RESISTOR	Q301	25A933S(RS)	TRANSISTOR
	R3 R4	QRD161J-102 QRD161J-102	RESISTOR		25A7333RTA	TRANSISTOR
	R5	QRD161J-102	RESISTOR	9302	2SA933S(RS)	TRANSISTOR
	R6	QRD161J-102	RESISTOR	OR	2SA1309RTA	TRANSISTOR
	R7	QRD161J-103	RESISTOR	Q303	2SA933S(RS)	TRANSISTOR
	R8	QRD161J-103	RESISTOR		2SA1309RTA	TRANSISTOR
	R 9	QRD161J-473	RESISTOR	Q304 Q305	2SB810H,J DTA124ES	TRANSISTOR Transistor
	R10	QRD161J-104	RESISTOR	Q306	2SA933S(RS)	TRANSISTOR
	R11	QRD161J-103	RESISTOR		2SA1309RTA	TRANSISTOR
	R12	QRD161J-ORO	RESISTOR	Q307	2SC1740S(QRS)	TRANSISTOR
	R 13	QRD161J-823	RESISTOR	Q308	2SC1740S(QRS)	TRANSISTOR
	R14	QRD161J-221	RESISTOR	Q309	2SC1740S(QRS)	TRANSISTOR
	R 15	QRD161J-103	RESISTOR	0711	2001740040PS)	TRANSISTOR
	R16 R17	QRD161J-332 QRD161J-332	RESISTOR RESISTOR	Q311 Q312	2SC1740S(QRS) 2SC1740S(QRS)	TRANSISTOR
	R18	QRD161J-224	RESISTOR	Q313	2SC1740S(QRS)	TRANSISTOR
	R19	QRD161J-224	RESISTOR	Q314	2SC1740S(QRS)	TRANSISTOR
	R20	QRD161J-0R0	RESISTOR	Q315	2SC1740S(QRS)	TRANSISTOR
				Q316	2SA933S(RS)	TRANSISTOR
	R21	QRD161J-0R0	RESISTOR		R 2SA1309RTA	TRANSISTOR
	R22 R23	QRD161J-682 QRD161J-682	RESISTOR RESISTOR	Q317 Q318	DTC144WS 2SA933S(RS)	TRANSISTOR Transistor
	R24	QRD161J-302	RESISTOR		R 2SA1309RTA	TRANSISTOR
	R 25	QRD161J-302	RESISTOR	Q319	2SC1740S(QRS)	TRANSISTOR
	R 26	QRD161J-101	RESISTOR			
	R27	QRD161J-122	RESISTOR	D301	188133	DIODE
	R28 R29	QRD161J-561 QRD161J-222	RESISTOR RESISTOR	D302	R MA165 1SS133	DIODE DIODE
	R30	QRD161J-473	RESISTOR		R MA165	DIODE
		4		D303	188133	DIODE
	R31	QRD161J-103	RESISTOR		R MA165	DIODE
	R 32	QRD161J-222	RESISTOR		188133	DIODE
		0000451 10440	DECICIOD ADDAY		R MA165	DIODE
	RA1	QRB045J-104XC R QRB045J-104C	RESISTOR ARRAY RESISTOR ARRAY	D305	1SS133 R MA165	DIODE
	RA2	QRB055J-104XC	RESISTOR ARRAY	D306	188133	DIODE
		R QR8055J-104C	RESISTOR ARRAY		R MA165	DIODE
	RA3	QRB065J-104XC	RESISTOR ARRAY	D307	188133	DIODE
	0	R QRB065J-104C	RESISTOR ARRAY		R MA165	DIODE
		071/10W 10/	E CARACTTOR	D308	188133	DIODE
	C1	QEK61CM-106 QEP61CM-106	E CAPACITOR NP E CAPACITOR		R MA165 1SS133	DIODE
	C2 C3	QEK61CM-106	E CAPACITOR		R MA165	DIODE
	C4	QEK61CM-106	E CAPACITOR	0310	1\$\$133	DIODE
	C5	QEK61CM-106	E CAPACITOR	0	R MA165	DIODE
	C6	QEK61CM-106	E CAPACITOR			DIODE
	C7	QEP61CM-106	NP E CAPACITOR	D311	1SS133	DIODE
	C8	QEK61CM-106	E CAPACITOR E CAPACITOR	D312	R MA165 1SS133	DIODE DIODE
	C9 C10	QEK60JM-107 QEP61HM-335	E CAPACITOR E CAPACITOR		155155 R MA165	DIODE
	C10	#F1 02/101-003		D313	188133	DIODE
	C11	QEP61HM-335	E CAPACITOR		R MA165	DIODE
	C12	QEK61HM-105	E CAPACITOR	D314	188133	DIODE
	C13	QEK61HM-105	E CAPACITOR		R MA165	DIODE DIODE
	C14	QEK61HM-105	E CAPACITOR E CAPACITOR	D315	1SS133 R MA165	DIODE
	C16 C20	QEK61CM-476 QEK61CM-476	E CAPACITOR E CAPACITOR	D316	188133	DIODE
	0ء	ACKOZON ALO				

£.	REF	NO.	PART NO.	PART NAME,	DESCRIPTION	•▲	REF NO.	PART NO.	PART NAME, DESCRIPTION
		OR	MA165	DIODE			R343		
	D317		155133	DIODE			R344	QRD161J-562	RESISTOR
		OR	MA165	DIODE				QRD161J-103	RESISTOR
	D318		188133	DIODE	:		R345	QRD161J-393	RESISTOR
		OR	MA165	DIODE		l	R346	QRD161J-472	RESISTOR
	D319		188133	DIODE		l	R347	QRD161J-101	RESISTOR
	D320		188133		-	ļ	R348	QRD161J-560	RESISTOR
	2020		MA165	DIODE			R349	QRD161J-560	RESISTOR
						İ	R351	QRD161J-103	RESISTOR
	D321		188133	DIODE		[R352	QRD161J-683	RESISTOR
			MA165	DIODE	and the second second	l	R353	QRD161J-103	RESISTOR
	D322		188133	DIODE		l	R354	QRD161J-123	RESISTOR
			MA165	DIODE	•	l	R355	QRD162J-102	
	D323		188133	DIODE		l		4	RESISTOR
			MA165	DIODE			C301	QEK61CM-106	E CAPACITOR
	D324		188133	DIODE	į		C302	QEK61CM-106	
		OR	MA165	DIODE			C303		E CAPACITOR
	D325		188133	DIODE			C304	QEK61CM-106	E CAPACITOR
		OR	MA165	DIODE				QEK61CM-106	E CAPACITOR
	D326		188133	DIODE			C305	QEK61CM-106	E CAPACITOR
		OR	MA165	DIODE	1	1	C306	QCVB1CN-103	CAPACITOR
	D327		188133	DIODE	·		C307	QCVB1CN-103	CAPACITOR
		OR	MA165	DIODE	.]		C308	QEK60JM-476	E CAPACITOR
	D328	- ••	188133	DIODE	ļ		C309	QEK61CM-226	E CAPACITOR
		OR	MA165		l		C310	QEK61CM-226	E CAPACITOR
	D329	-11	188133	DIODE	l				
	/	ΩP	MA165		ļ		C311	QCVB1CN-103	CAPACITOR
	D330	~n	1SS133	DIODE	}		C312	QEK61CM-476	Ea CAPACITOR
	2000	ΩÞ	MA165	DIODE	•		C313	QETB1AM-477	E CAPACITOR
		O.	MATOS	DIODE			C314	QCVB1CN-103	CAPACITOR
	D331		100177	D7005			C315	QEK61CM-476	E CAPACITOR
	0331		1SS133	DIODE			C316	QETBOJM~477	E CAPACITOR
		UK	MA165	DIODE			C317	QCVB1CN-103	CAPACITOR
	D 7 0 1		0001411470				C318	QCVB1CN-103	CAPACITOR
	R301		QRD161J-472	RESISTOR			C319	QEK61CM-476	E CAPACITOR
	R302		QRD161J-680	RESISTOR			C320	QCVB1CN-103	CAPACITOR
	R303		QRD127J-391	RESISTOR					
	R304		QRD162J-750	RESISTOR			C321	QEK61EM-476	E CAPACITOR
	R305		QRD161J-472	RESISTOR			C322	QCVB1CN-103	CAPACITOR
	R306		QRD181J-561	RESISTOR			C323	QCVB1CN-103	CAPACITOR
	R307		QRD161J-750	RESISTOR	i		C324	QCVB1CN-103	CAPACITOR
	R308		QRD181J-561	RESISTOR	į.		C325	QCBB1HJ-101	CAPACITOR
	R309		QRD161J-750	RESISTOR			C327	QCSB1HJ-560	CAPACITOR
1	R310		QRD161J-472	RESISTOR			C328	QCVB1CN-103	CAPACITOR
					·		C329	QEK61CM-106	E CAPACITOR
	R311		QRD161J-102	RESISTOR			C330	QCVB1CN-103	CAPACITOR
	R312		QRD161J-102	RESISTOR	1				CAT ACTION
	R313		QRD161J-472	RESISTOR	1		C332	QCVB1CN-103	CAPACITOR
	R314		QRD161J-472	RESISTOR	i		C333	QCVB1CN-103	CAPACITOR
	R315		QRD161J-332	RESISTOR				QEK61CM-106	E CAPACITOR
	R316		QRD161J-473	RESISTOR	I			QCSB1HJ-560	CAPACITOR
	R317		QRD161J-103	RESISTOR			C336	QCVB1CN-103	CAPACITOR
1	R319		QRD161J-103	RESISTOR				QCVB1CN-103	
ı	R320		QRD161J-223	RESISTOR	İ			QCVB1CN-103	CAPACITOR
					1			QEK61HM-105	CAPACITOR
	R321		QRD161J-223	RESISTOR	1		,	45V01UU-100	E CAPACITOR
1	322		· ·	RESISTOR	1		C341	DEKAN IM-434	E CARACTTOR
1	325		QRD161J-222	RESISTOR	ļ			QEK60JM-476	E CAPACITOR
	326		QRD161J-102	RESISTOR			^-/-	QCVB1CN-103	CAPACITOR
	327		QRD161J-102	RESISTOR				QCVB1CN-103	CAPACITOR
	328			RESISTOR	1			QCVB1CN-103	CAPACITOR
	329		QRD161J-392	RESISTOR	f			QCVB1CN-103	CAPACITOR
	330		QRD161J-272	RESISTOR				QCSB1HJ-390	CAPACITOR
								QCVB1CN-103	CAPACITOR
	₹331		QRD161J-331	DECTOTOR		,	C350	QEK61AM-226	E CAPACITOR
	₹332			RESISTOR					
	333			RESISTOR	i			QCBB1HJ-561	CAPACITOR
	₹335			RESISTOR			C354	QCSC1HJ-330	CAPACITOR
				RESISTOR	i				
	2337			RESISTOR	1			PU48530-101K	COIL
	338			RESISTOR	·			PU48530-101K	COIL
	339			RESISTOR		1		PU48530-101K	COIL
F	340		QRD161J-272	RESISTOR	i			PU48530-101K	COIL
_					1			PU48530-101K	COIL
	341			RESISTOR				PU59152-180J	COIL
5	342		QRD161J-223	RESISTOR				PU48530-101K	COIL
					•				

خ.	REF NO.	. PA		PART NAME, DESCRIPTION	* <u>A</u>	REF NO	. P	ART NO.	PART NAME, DESCRIPTION
				COIL		R2		RD161J-102	RESISTOR
	L309		,			R 3		RD161J-103	RESISTOR
	L310	PU	59153-822J (COIL		R4	a	RD161J-682	RESISTOR
						R5	2	RD161J-104	RESISTOR
	L311	PU	59152-100J	COIL		R6	7	RD161J-151	RESISTOR
	EQ301	Pΰ	54838	EQUALIZER		R7		RD161J-102	RESISTOR
						R8		RD161J-104	RESISTOR
	BPF301	PU	57072	BAND PASS FILTER		R9		RD161J-472	RESISTOR
				SHIELD COVER		R10	Ç	RD161J-102	RESISTOR
	SLD4					R11		RD161J-102	RESISTOR
***	*****	***	*******	*************************	i	R12		1RD161J-102	RESISTOR
						R13	_	RD161J-102	RESISTOR
						R14		QRD161J-102	RESISTOR
	***	***	******	**********	1	R15	0	RD161J-102	RESISTOR
	¥	1	1. A/C HEAD BO	ARD ASSEMBLY <12> *	l	R16	Ç	QRD161J-102	RESISTOR
	~~~	****	******	********	1	R17	•	QRD161J-102	RESISTOR
	. ***	***	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		l	R18	(	RD161J-102	RESISTOR
					1	R19	(	QRD161J-102	RESISTOR
				A/C HEAD BOARD ASSY		R20		QRD161J-102	RESISTOR
	PWBA	PE	340029	AZC HEAD BUAND ASSI					
	CNI	DI	J58844-103	CAP HOUSING	1	R21		QRD161J-102 -	RESISTOR
	CN1				1	R22	(	QRD161J-472	RESISTOR
	CN2	Pl	J58844-104B	UNI 110032110	1	R23	- (	QRD161J-472	RESISTOR
					1	R24		QRD161J-472	RESISTOR
***	*****	***	*********	**************************************	1	R25		QRD161J-472	RESISTOR
					1	R26		QRD161J-102	RESISTOR
						R29		QRD161J-472	RESISTOR
	***	***	******	**********	1				RESISTOR
	×		12. TIMER BOARD	ASSEMBLY <20> *		R30		QRD161J-472	KESTSION
	***	***	***********	*************	1			0001/11-472	RESISTOR
					İ	R31		QRD161J-472	
			•		1	R32		QRD161J-472	RESISTOR
	PWBA	P	GE20308A-01	TIMER BOARD ASSY		R33		QRD161J-472	RESISTOR
		•			1	R34		QRD161J-472	RESISTOR
	ICl	11	PD75216ACW-A37	TC	1	R35		QRD161J-472	RESISTOR
	IC2		-8053HNB	ic	1	R36		QRD161J-472	RESISTOR
	162	3	-0033000	••	1	R37		QRD161J-472	RESISTOR
		_	DAE((2	IC	ł	R38		QRD161J-472	RESISTOR
	I C301	3	DA5642	10		R39		QRD161J-472	RESISTOR
		_		TRANCICTOR	1	R40		QRD161J-472	RESISTOR
	Q1		SD1863(QR)	TRANSISTOR					
	Q2		SC3311A(RS)	TRANSISTOR	1	R41		QRD161J-472	RESISTOR
	Q3		TC124ES	TRANSISTOR	1	R42		QRD161J-472	RESISTOR
	Q4	2	SC3311A(RS)	TRANSISTOR	1	R43		QRD161J-333	RESISTOR
	<b>Q</b> 5	ם	TC124ES	TRANSISTOR	ı	R44		QRD161J-472	RESISTOR
	Q6	D	TC124ES	TRANSISTOR	1	R45		QRD161J-472	RESISTOR
					1			QRD161J-102	RESISTOR
	D1	R	D9.1ES-T1B2	ZENER DIODE		R46		QRD161J-333	RESISTOR
		OR H	IZS9.1EB2TJ	ZENER DIODE	1	R47			RESISTOR
	D2		A210S	DIODE		R49		QRD161J-272	
	D3		TZJ4.7C	ZENER DIODE	1	R50		QRD161J-271	RESISTOR
			D4.7ES-T1B3	ZENER DIODE	1				
			1TZ8.2B	ZENER DIODE	1	R51		QRD161J-271	RESISTOR
	D4		1126.26 108.2ES-T182	ZENER DIODE	1				
				ZENER DIODE	Ì	R301		QRD161J-824	RESISTOR
	D5		4TZ8.2B	ZENER DIODE	I	R302		QRD161J-101	RESISTOR
			RD8.2ES-T1B2		ł	R303		QRD161J-562	RESISTOR
	D6		188133	DIODE	- 1	R304		QRD161J-104	RESISTOR
			1A165	DIODE	1	R305		QRD161J-103	RESISTOR
	<b>D</b> 7	1	188133	DIODE		R306		QRD161J-103	RESISTOR
		OR 1	MA165	DIODE	1			QRD161J-105	RESISTOR .
	D8		188133	DIODE	I	R307		QRD161J-824	RESISTOR
		OR I	MA165	DIODE	-	R308			RESISTOR
	D9		188133	DIODE	1	R309		QRD161J-104	
	•		MA165	DIODE		R310		QRD161J-202	RESISTOR
	D10		188133	DIODE				0000471 004	BESTSTOD ADDAY
			MA165	DIODE	1	RA1		QRB067J-224	RESISTOR ARRAY
		1			Ì			QRB069J-224C	RESISTOR ARRAY
	D25		188133	DIODE	1		OR	QRB069J-224	RESISTOR ARRAY
			155133	DIODE	1	RA2		QRB067J-104	NETWORK RESISTOR
	D26		155133	DIODE	1			QRB069J-104C	RESISTOR ARRAY
	D29			DIODE			OR	QRB069J-104	NETWORK RESISTOR
	D30		155133	uz vat.	- 1	RA3		QRB047J-333	RESISTOR ARRAY
				DIODE	1		OR	QRB049J-333	RESISTOR ARRAY
	D35		1SS133	DIODE	1			QRB049J-333C	RESISTOR ARRAY
				DECTOR		RA4		QRB037J-104	NETWORK RESISTOR
	R1		QRD161J-121	RESISTOR	•				

*_	L REF N	10.	PART NO.	PART NAME, DESCRIPTION	<b>4</b> &	REF NO.	PART NO.	PART NAME, DESCRIPTION
		OR	QRB039J-104C	RESISTOR ARRAY		R28	QRD161J-104	RESISTOR
			QRB039J-104	NETWORK RESISTOR		R29	QRD161J-102	RESISTOR
	C1		QETC1CM-336	E CAPACITOR		R31	PGZ01274	, V RESISTOR
	C2		QETC1HM-335	E CAPACITOR	İ	R32	PGZ01274	V RESISTOR
	C3		QCBB1HJ-102	CAPACITOR		R33	PGZ01117	V RESISTOR
	C4		PU60676-473	E CAPACITOR		R34	QRD161J-103	RESISTOR
		OR	QEA40HZ-473	E CAPACITOR (DOUBLE)			4.01010 100	RESISTOR
	C5		QETC1AM-336	E CAPACITOR		C1	OED414M-474	E CARACTTOR
	C6		QETCOJM-336	E CAPACITOR		C1	QER61AM-476	E CAPACITOR
	C7		QCVB1CN-103	CAPACITOR		C2	QER60JM-476	E CAPACITOR
	C8			E CAPACITOR		C3	QER61HM-225	E CAPACITOR
			QETC1CM-106			C4	QER61EM-476	E CAPACITOR
	C9		QCVB1CN-103	CAPACITOR	1	C5	QFJ41HJ-273	M CAPACITOR
	C10		PU57672-200	TRIMMER CAPACITOR		C6	QCBB1HJ-471	CAPACITOR
	C11		QCT30CH-120	CAPACITOR		L1	PU59060	TRAP COIL
	C101		0051110 007	CARACTTOR	ĺ	F5	PU59152-390J	PEAKING COIL
	C101		QCF11HP-223	CAPACITOR		L3	PU59152-390J	PEAKING COIL
	C301		QFN31HJ-103	M CAPACITOR	ı			•
	C302		QFN31HJ-333	M CAPACITOR	1	S1	PU57551	TACT SWITCH
	C303		QFN31HJ-103	M CAPACITOR	ı	<b>\$2</b>	PU57551	TACT SWITCH
	C304		QETC1HM-104	E CAPACITOR	1	S3	PU57551	TACT SWITCH
	C305		QCBB1HJ-151	CAPACITOR	1	\$4	PU57551	TACT SWITCH
					1	S5	PU57551	TACT SWITCH
	L1		PU48530-101K	COIL	1	S6	PU57551	TACT SWITCH
					l	S7	PU57551	TACT SWITCH
	L11		PU48530-271J	COIL	l	S8	PU57551	TACT SWITCH
					l	S9	PU57551	TACT SWITCH
	. X1		PU60226-2	CRYSTAL RESONATOR	l	\$10	PU57551	TACT SWITCH
	SKT1		PGZ01001	IC SOCKET				
	SKII		PG201001			S11 S12	PGZ01092 PU57551	PUSH SWITCH TACT SWITCH
	TP1		PU56008	TEST-PIN, X3(TP1-3)		CL1	PU59311-2	WIRE CLAMP
	CN1		PU59555-8	CAP HOUSING	1	CLI	FU37311-2	WIRE CLARF
	CN3		PU58844-6	CAP HOUSING	ł	HD1	B040785-4-3	+ ED HOLDER
	CN4		PU58844-12	CAP HOUSING		UDI	PQ40795-4-2	LED HOLDER
	•		. 050011 12		1			
	L CP1		ICP-F10	CIRCUIT PROTECTOR	l	JA1	PU58356-2	MINI JACK
	2 011		107-710	CIRCUIT FROTECTOR	1	JA2	PU58355-2	MINI JACK
	*****	<b>**</b> *	**********	**********		JA3	PGZ00409	PIN JACK
					l	CN1	PU58844-10	CAP HOUSING
					ĺ	CN2	PU58844-6	CAP HOUSING
	**	***	**********	**********	l	CN3	PU58844-3R	CAP HOUSING
	*			-1 BOARD ASSEMBLY <22> *		CN4		
	**	***		(*************************************			PU58844-6	CAP HOUSING
	~~			***************************************		CN5	PU58844-5	CAP HOUSING
						CN6	PU58844-3	CAP HOUSING
	PWBA		PRK10010A1-03	OPERATION 1 BOARD ASSY	***	*****	***********	***************
	IC1		LA7225	IC				
	Q1		2\$B643R	TRANSISTOR		×	14. OPERATION	**************************************
	Dl		SLR-34VC3F	LE DIODE		***	**********	*************************
	R1		QRD161J-472	RESISTOR		PWBA	PRK10010A2-01	OPERATION 2 BOARD ASSY
	R2		QRD161J-332	RESISTOR	Į.			
	R3		QRD161J-222	RESISTOR	l	Q101	DTA124ES	TRANSISTOR
	R4		QRD161J-222	RESISTOR	l	Q102	DTA124ES	TRANSISTOR
	R5		QRD161J-222	RESISTOR	I	4105	- 1 M 1 C 7 C 3	, manufactor
	R6		QRD161J-472	RESISTOR	ļ	0103	CID_EEMOZE	LE DIODE
	.R7		QRD161J-332	RESISTOR		D101	SLR-55MC3F	LE DIODE
	R8		QRD161J-222	RESISTOR	l	D102	SLR-55VC3F	LE DIODE
					1	D103	SLR-55VC3F	LE DIODE
	R9		QRD161J-222	RESISTOR	l			
	R10		QRD161J-102	RESISTOR	1	R101	QRD161J-223	RESISTOR
					1	R102	QRD161J-103	RESISTOR
	R21		QRD161J-222	RESISTOR	1	R103	QRD161J-472	RESISTOR
			QRD161J-222	RESISTOR	1	R104	QRD161J-332	RESISTOR
	R22		QRD161J-152	RESISTOR	1	R105	QRD161J-222	RESISTOR
			duning in			· ·		
	R22		QRD161J-102	RESISTOR	1	R106	QRD161J-331	RESISTOR
	R22 R23		QRD161J-102			R106 R107	QRD161J-331 QRD161J-102	RESISTOR RESISTOR
	R22 R23 R24 R25		QRD161J-102 QRD161J-120	RESISTOR		R107	QRD161J-102	RESISTOR
	R22 R23 R24		QRD161J-102					

				•		
<b>ċ.</b> ₩			PART NAME, DESCRIPTION			PART NAME, DESCRIPTION
				R10	QRD161J-104	
	S101	PU57551	TACT SWITCH			
	S102		TACT SWITCH	R11	QRD161J-103	RESISTOR
	S103	PU57551	TACT SWITCH	R12	QRD161J-101	RESISTOR
	S104	PU57551	TACT SWITCH	R13	QRD161J-101	RESISTOR
	S105	PU57551	TACT SWITCH	R14	QRD161J-103 QRD161J-101 QRD161J-101 QRD161J-184	RESISTOR
	S106	PU57551	TACT SWITCH	R15	QRD161J-101	RESISTOR
	S107	PU57551	TACT SWITCH	R16	QRD161J-101	RESISTOR
	S108	PU57551	TACT SWITCH	R17	QRD161J-184	RESISTOR
	S109		TACT SWITCH			
	S110	PU57551	TACT SWITCH	CI.	QCB81HJ-101	CAPACITOR
				C5	QER41HM-104	E CAPACITOR
	S111	PU57551	TACT SWITCH	C3	QER40JM-336	
	S112	PU57551	TACT SWITCH	C4	QCVB1CM-103	
	S113		TACT SWITCH	C5	QER41VM-106	E CAPACITOR
	S114		TACT SWITCH	C2 C3 C4 C5 C6 C7 C8 C9	QER40JM-226	E CAPACITOR
	S115		TACT SWITCH	C7	QER40JM-226 QER41CM-106	E CAPACITOR
	S116		TACT SWITCH	60	QEK41CM-106	
	S117		TACT SWITCH		QFJ41HJ-223 QFJ41HJ-333	
	S118		TACT SWITCH TACT SWITCH	C10	ML141U1-222	M CAPACITOR
	S119		TACT SWITCH	C11	QCVB1CM-103-	CAPACTION
	S120	PU57551	IACT SHITCH	C12	QCVB1CM-103	
	S121	PU57551	TACT SWITCH	C13	QER41VM-226	
	S121		TACT SWITCH	C14		
				C15	QER40JM-107 QCSB1HJ-330	CAPACITOR
	S131	PH58486-1-1	SLIDE SWITCH	C16	QCSB1HJ-330 a.	
	S132	P1158486-1-1	SLIDE SWITCH	C17	OCE11F7-473	
	S133	PU58488-1-1	SLIDE SWITCH	C18	QCF11EZ-473 QCSB1HJ-330 QER40JM-107 QER40JM-107	CAPACITOR
	S134	PU58486-1-1	SLIDE SWITCH	C19	QER40JM-107	E CAPACITOR
	S135	PU58488-1-1	SLIDE SWITCH	C20	QER40JM-107	E CAPACITOR
	S136	PU58486-1-1 PU58486-1-1 PU58488-1-1 PU58486-1-1 PU58488-1-1 PGZ00766	SLIDE SWITCH			
		PU59311-2		C101	QCF11HP-223	CAPACITOR
				L11	PU48530-271J	COIL
	HNI	PGZ01031-02	P C SUPPORT, X3		01140440	FUNDATOCENT DICELAY DANE!
	SCW1	SBST3006Z	SCREW, X3	LDLI	PU60660	FLUORESCENT DISPLAY PANEL
	SCWI	363130062	SCREW, AS	CLI	PU59311-2	WIRE CLAMP
	SPC1	PU50634-2	LED SPACER, X3	00.	. 05/011 2	Walla Warlin
				HD1	PQ31309	FDP HOLDER(L)
	CN101	PU58844-10	CAP HOUSING	HD2	PQ31310	FDP HOLDER(R)
	CN102	PU58844-3Y	CAP HOUSING	HD3	PRD42546-02	DISPLAY SHEET
	CN103	PU58844-3Y PU58844-10	CAP HOUSING	1		
	CN104	PU58844-4	CAP HOUSING	CN1	PU58844-103Y	CAP HOUSING
			CAP HOUSING	CNS	PU58844-103 PU58844-105 PU58844-103	CAP HOUSING
	CN106		CAP HOUSING	CN3	PU58844-105	CAP HOUSING
	CN107	PU58844-3	CAP HOUSING	CN4	PU58844-103	CAP HOUSING
				CN5	PU58844-103R	CAP HOUSING
***	******	*******	************		PU58844-103R PU58844-106 PU58844-107 PU59513-11	CAP HOUSING
				CN7	PU58844-107	CAP HOUSING
		~~~~~~	*********	CN8	PU59513-11	CONNECTOR, BR-S600E(B)
	**					
			(*************************************	****	*****	**********
	~~~			1		
				***	******	********
	PWBA	PRK20026B-03	DISPLAY BOARD ASSY, BR-S600E(B)	*		AY BOARD ASSEMBLY <28> *
		PRK20026A-03	DISPLAY BOARD ASSY, BR-S600E			*********
	IC1	MSC7112-01SS	IC			
	IC2	MSC1146BRS	IC	PWBA	PGE30203A-02	REPEAT PLAY BOARD ASSY
	IC3	JCL0002	IC, BR-S600E(8)	1		
				IC1	TC74HC4538AP	, IC .
	Q1	2SK658	FE TRANSISTOR		DT430/50	TOANGTOTOR
				Q1	DTA124ES	TRANSISTOR
	R1	QRD161J-102	RESISTOR	Q2	DTA124ES	TRANSISTOR
	R2	QRD161J-102	RESISTOR	Q3	DTC124ES	TRANSISTOR
	R3	QRD161J-102	RESISTOR	Q4 Q5	2SC1740S(QRS)	TRANSISTOR
	R4	QRD161J-273	RESISTOR	Q6	2SC1740S(QRS) 2SA933S(RS)	TRANSISTOR Transistor
	R5	QRD161J-102	RESISTOR	97	2SC1740S(QRS)	TRANSISTOR
	R6	QRD161J-103	RESISTOR	Q8	DTC124ES	TRANSISTOR
	R7	QRD161J-103	RESISTOR	Q9	DTC124ES	TRANSISTOR
	R8	QRD161J-103	RESISTOR	• 4/	3.012763	
	R9	QRD161J-153	RESISTOR			

<b>#</b> .	REF NO.	PART NO.	PART NAME, DESCRIPTION	*4	REF NO.	PART NO.	PART NAME, DESCRIPTION
	Q10	2SC1740S(QRS)	TRANSISTOR		Q4	DTC124EF	TRANSISTOR
			TRANSTOTOR		Q5	DTC124EF	TRANSISTOR
	Q11	DTC124ES	TRANSISTOR TRANSISTOR		Q6	DTC124EF	TRANSISTOR
	Q12	DTC124ES	TRANSISTOR	ł	Dl	188133	DIODE
	Dl	188133	DIODE	1	01	133133	01005
	D2	188133	DIODE	l	R1	QRD167J-104	RESISTOR
	D3	1SS133	DIODE	1	R2	QRD167J-104	RESISTOR
	D4	155133	DIODE		R3	QRD167J-104	RESISTOR
	DS	155133	DIODE	ŀ	R4	QRD167J-104	RESISTOR
	D6	188133	DIODE		R5	QRD167J-104	RESISTOR
	D7	188133	DIODE		R6	QRD167J-104	RESISTOR
	D8	188133	DIODE	l			
	D <b>9</b>	1SS133	DIODE	Δì	VA1	PU49624-2	VARISTOR
				الله	VA2	PU49624-2	VARISTOR
	R1	QRD167J-103	RESISTOR	Æ	VA3	PU49624-2	VARISTOR
	R2	QRD167J-222	RESISTOR	ZÎ.	VA4	PU49624-2	VARISTOR
	R3	QRD167J-102	RESISTOR	Δis	VA5	PU49624-2	VARISTOR
	R4	QRD167J-472	RESISTOR	A.	VA6	PU49624-2	VARISTOR
	R5	QRD167J-472	RESISTOR	ı.	VA7	PU49624-2	VARISTOR
	R6	QRD167J-472	RESISTOR				
	R 7	QRD167J-223	RESISTOR	l	CN1	PU58844-111	CAP HOUSING
	R8	QRD167J-105	RESISTOR	ŀ	CN2	PU58844-103	CAP HOUSING
	R9	QRD167J-103	RESISTOR	Ι.			
	R10	QRD167J-104	RESISTOR	کات	CP1	ICP-F10	CIRCUIT PROTECTOR
	R11	QRD167J-105	RESISTOR			-15P TERMIN	AL 2 BOARD ASSEMBLY-
	R12	QRD167J-104	RESISTOR	l			
	R13	QRD167J-563	RESISTOR	I	PWBA2	PGE30206A2-01	15P TERMINAL 2 BOARD ASSY
	R14	QRD161J-104	RESISTOR	İ			
	R15	QRD167J-334	RESISTOR	ĺ	BKT1	PRD42550	15P BRACKET
	R16	QRD167J-103	RESISTOR				
	R17	QRD167J-105	RESISTOR		J1	PGZ00755	15P CONNECTOR
	R18	QRD167J-222	RESISTOR	Ļ	JZ	PQ20727	JACK BOARD
	R19	QRD167J-222	RESISTOR		J3	PRD30402	JACK SHEET
	R20	QRD167J-103	RESISTOR		SCW1	SDSF3006Z	SCREW, X2
	R21	QRD167J-104	RESISTOR	1	SCWI	303730062	SCREW, AZ
	R22	QRD167J-103	RESISTOR	** <i>*</i>	******	*******	*********
		•					
	C1	QFN31HJ-103	M CAPACITOR				
	C5	QETC1CM-106	E CAPACITOR	1	***	,	**********
	C3	QFN31HJ~103	M CAPACITOR	i	*		BOARD ASSEMBLY <39> *
	C4 C5	QETC1EM-475	E CAPACITOR	l	***	********	*********
	C6	QFN31HJ~103 QFN31HJ~103	M CAPACITOR M CAPACITOR	1			
	C7	QETC1CM-106	E CAPACITOR	1	PWBA	PB30095A-02	SERVO SUB BOARD ASSY
	C8	QETC1EM-335	E CAPACITOR			. 5000/5A GE	SERVO SOS BORRES ACO.
	C9	QETC1EM-475	E CAPACITOR		ICI	BU3791	IC
	C10	QETC1HM-104	E CAPACITOR				
		_		1	Q1	DTC144ES	TRANSISTOR
	CN1	PU58844-3	CAP HOUSING	i	01	R UN4213	TRANSISTOR
	CN2	PU58844-5	CAP HOUSING		01	R 2SC3399	TRANSISTOR
	CN3	PU58844-2	CAP HOUSING		Q2	DTC124ES	TRANSISTOR
				1	Q3	DTC144WS	TRANSISTOR
<b>未</b> 表以	******	*********	*************				
					D1	188133	DIODE
	***	*******	**********		U	R MA165	DIODE
	*		IINAL BOARD ASSEMBLY <30> *	1	R1	QRD161J-103	RESISTOR
	***		*********	1	R2	QRD161J-104	RESISTOR
				1	R3	QRD161J-104	RESISTOR
				1	R4	QRD161J-104	RESISTOR
	PWBA	PGE30206A-01	15P TERMINAL BOARD ASSY, E(B)	1	R5	QRD161J-104	RESISTOR
				1	R6	QRD161J-822	RESISTOR
		-15P TERMINA	L 1 BOARD ASSEMBLY-	1	R 7	QRD161J-104	RESISTOR
			•	1	R8	QRD161J-103	RESISTOR
	PWBA1	PGE30206A1-01	15P TERMINAL 1 BOARD ASSY	1	R9	QRD161J-563	RESISTOR
				1	R10	QRD161J-472	RESISTOR
	IC1	TC74HC04AP	IC	1	Cl	008814 1-102	CARACITOR
	Q1	DTC124EF	TRANSISTOR	1	C1 C2	QCBB1HJ-102 QCC11CK-104	CAPACITOR CAPACITOR
	Ğ5	DTC124EF	TRANSISTOR		C2	QCBB1HJ-102	CAPACITOR
	Q3	DTC124EF	TRANSISTOR	1	C4	QCBB1HJ-121	CAPACITOR
				•			

REF NO.	PART NO.	PART NAME, DESCRIPTION	#A REF NO.	PART NO.	PART NAME, DESCRIPTION
C5	QEK61AM-336	E CAPACITOR	R5	QRSAD8J-103YN	RESISTOR
	QFN31HJ-103	M CAPACITOR	R6	QRSAD8J-100YN	RESISTOR
C6	G-1431H2-103	11 0/11 /1021 011	R7	QRSA08J-100YN	RESISTOR
	DUEDEE-7	CAP HOUSING	R8	QRSA08J-272YN	RESISTOR
CNI	PU59555-7	CAP HOUSING	R9	QRSAD8J-272YN	RESISTOR
CN2	PU58844-7 PU58844-2	CAP HOUSING	R10	QRSA08J-103YN	RESISTOR
CN5	*				W DECTETOR
*****	**********	*******************	R11	QVZ3531-152 QVZ3531-152	V RESISTOR V RESISTOR
			R12 R13	QVZ3531-152	V RESISTOR
			R14	QRSA08J-103YN	RESISTOR
	**********	**************************************	R15	QVZ3531-152	V RESISTOR
*	19. PKE/KEC A	1P BOARD ASSEMBLY <43> * ****************************	R19	QRSA08J-122YN	RESISTOR
***	*****	***************************************	R20	QRSA08J-221YN	RESISTOR
DUDA	PGE1D143A	PRE/REC BOARD ASSY	R21	QRSA08J-102YN	RESISTOR
PWBA	PGEIUI43M	FRESKEG BOARD AGO!	R22	QRSA08J-122YN	RESISTOR
IC1	TA8609P	IC	R23	QRSA08J-221YN	RESISTOR
IC2	TA8733F	IC	R24	QRSA08J-102YN	RESISTOR
IC3	AN6392	IC	R25	QRSA08J-122YN	RESISTOR
103	A11007,E		R26	QRSA08J-122YN	RESISTOR
Q1	2SC2412K	TRANSISTOR	R27	QRSA08J-103YN	RESISTOR
Q2	2SC2412K	TRANSISTOR	R28	QRSA08J-103YN	RESISTOR
Q3	2SC2412K	TRANSISTOR	R29	QRSA08J-393YN	RESISTOR
Q4	2SC2412K	TRANSISTOR	R30	QRSAO8J-393YN	RESISTOR
Q6	2SC2412K	TRANSISTOR			•
Q7	2SC2412K	TRANSISTOR	R31	QRD161J-681 -	RESISTOR
Q8	2SA1037K	TRANSISTOR	R32	QRSA08J-471YN	RESISTOR
Q9	2SA1037K	TRANSISTOR	R33	QRSA08J-391YN	RESISTOR
Q10	DTC144EK	TRANSISTOR	R34	QRSA08J-623YN	RESISTOR
			R35	QRSA08J-821YN	RESISTOR
Q11	DTC144EK	TRANSISTOR	R36	QRSA08J-680YN	RESISTOR
Q12	DTC124EK	TRANSISTOR	R37	QRSAQ8J-820YN	RESISTOR
Q13	2SA1036K(R)	TRANSISTOR	R38	QRSA08J-102YN	RESISTOR
Q14	2SA1036K(R)	TRANSISTOR	R39	QRSA08J-472YN	RESISTOR
Q15	DTC124EK	TRANSISTOR	R40	QRSA08J-222YN	RESISTOR
Q16	DTC144WK	TRANSISTOR		00CA09 I=E41VN	RESISTOR
		T0411070700	R41	QRSAO8J-561YN QRSAO8J-393YN	RESISTOR
Q101	DTA124EK	TRANSISTOR	R42	QRD161J-222	RESISTOR
Q102	DTA124EK	TRANSISTOR	R43 R44	QRSA08J-393YN	RESISTOR
Q103	DTC144WK	TRANSISTOR Transistor	R45	QRSA08J-222YN	RESISTOR
Q104	2SA1037K	TRANSISTOR	R46	QRSA08J-103YN	RESISTOR
Q105	2SC2412K	TRANSISTOR	R47	QRSA08J-103YN	RESISTOR
Q106	2SC2412K	TRANSISTOR	₫ R48	PU52108-150	POSITIVE THERMISTOR
Q107	2SA1037K	TRANSISTOR	R49	QRD161J-333	RESISTOR
Q108	2SC2412K	TRANSISTOR	R50	QRSA08J-101YN	RESISTOR
Q109 Q110	2SA1037K DTC124EK	TRANSISTOR			
		TRANSTETER	R51	QRSAD8J-103YN	RESISTOR RESISTOR
Q111	2SC2412K	TRANSISTOR	R52	QRSA08J~823YN	RESISTOR
Q112	2SC2412K	TRANSISTOR	R53	QRSA08J-102YN	RESISTOR
Q113	2SC2412K	TRANSISTOR	R54	QRSA08J-821YN QRSA08J-102YN	RESISTOR
Q114	2SC2412K	TRANSISTOR	R55	QRSAD8J-102YN	RESISTOR
Q115	2SC2412K	TRANSISTOR	R56	MY 24007_TOV IN	RESISION
Q116	2SC2412K	TRANSISTOR	2303	UD C V U B 1 - 223 V N	RESISTOR
Q117	2SC2412K	TRANSISTOR TRANSISTOR	R101	QRSAD8J-223YN	RESISTOR
Q118	2SA1037K		R102	QRSAD8J-273YN	RESISTOR
Q119	2SC2412K	TRANSISTOR	R103	QRSA08J-102YN	RESISTOR
	B411005"	DIODE APPAV	R104	QRSA08J-102YN	RESISTOR .
<b>D</b> 1	DAN202K	DIODE ARRAY DIODE ARRAY	R105 R106	QRSA08J-271YN PU57457-152	V RESISTOR
D2	DAN202K	DIODE ARRAY	R105	QRSA08J-103YN	RESISTOR
D3	DANSOSK	DIODE ARRAY	R108	PU57457~222	V RESISTOR
D5	DAN202K	DIODE WUNN!	R109	QRSAD8J-561YN	RESISTOR
0101	DAN202K	DIODE ARRAY	R110	QRSAD8J-152YN	RESISTOR
D102	DAN202K	DIODE ARRAY			DEGLETOR
0103	DAP202K	DIODE	R111	QRSA08J-561YN	RESISTOR
D104	MA157	DIODE	R112	QRSADBJ-472YN	RESISTOR
D105	MA157	DIODE	R113	QRSAD8J-561YN	RESISTOR
	•		R114	QRSAD8J-152YN	RESISTOR
Rl	QRSA08J-100YN		R117	QRSA08J-102YN	RESISTOR
R2	QRSA08J-272YN		R118	QRSAD8J-102YN	RESISTOR
	QRSA08J-100YN	RESISTOR	R119	ORSAO8J-122YN	RESISTOR RESISTOR
R3			R120	QRSA08J-102YN	

	♦点 REF NO.	PART NO.	PART NAME, DESCRIPTION	*4		PART NO.	PART NAME, DESCRIPTION
_					C32	QER51CM-476	E CAPACITOR
	R121	QRSA08J-102YN	RESISTOR		C33	QCFA1HZ-103	CAPACITOR
	R122	QRSA08J-471YN	RESISTOR	ľ	C34	QFN41HJ-273	M CAPACITOR
	R123	QRSA08J-561YN	RESISTOR	ļ.	C35	QFN31HJ-103	M CAPACITOR
	R124	QRSA08J-122YN	RESISTOR	ļ	C36	QER51HM-105	·
							E CAPACITOR
	R125	QRSA08J-102YN	RESISTOR	1 .	C37	QCSA1HJ~470	CAPACITOR
	R126	QRSA08J-122YN	RESISTOR	ļ	C38	QCFA1HZ-103	CAPACITOR
	R127	QRSA08J-222YN	RESISTOR	- 1	C39	QCFA1HZ-103	CAPACITOR
	R128	QRSA08J-681YN	RESISTOR	- 1	C40	QCSA1HJ-7R0	CAPACITOR
	R129	QRSAD8J-101YN	RESISTOR	1			
	R130	PU57457-682	V RESISTOR		C41	QER50JM-476	E CAPACITOR
				ļ	C42	QCFA1HZ-103	CAPACITOR
	R131	PU57457-332	V RESISTOR	1	C43	QCFA1HZ-103	CAPACITOR
	R134	QRSAD8J-102YN	RESISTOR	1	C44	QCSA1HJ-121	CAPACITOR
	R135	QRSAD8J-103YN	RESISTOR	i	C45	QCSA1HJ-101	CAPACITOR
	R136	QRSAD8J-223YN	RESISTOR	i	C46	QCFA1HZ-103	CAPACITOR
	R137	QRSA08J-471YN	RESISTOR	1	C47	QCFA1HZ-103	CAPACITOR
	R138	QRSA08J-102YN	RESISTOR		C48	QCFA1HZ-103	CAPACITOR
	R139	QRSA08J-102YN	RESISTOR		C49	QCFA1HZ-103	CAPACITOR
	R140	QRSA08J-392YN	RESISTOR		C50	QCVB1CN-103	CAPACITOR
	R141	QRSA08J-102YN	RESISTOR	1	C51	QCFA1HZ-103	CAPACITOR
	R142	QRSA08J-682YN	RESISTOR	·I	C52	QCFA1HZ-103	CAPACITOR
	R143	QRSA08J-361YN	RESISTOR	1	C53	QCFA1HZ-103	CAPACITOR
	R144	QRSA08J-561YN	RESISTOR	1		=	••
	R145	QRSA08J-152YN	RESISTOR	1	C102	QCSA1HJ-180	CAPACITOR
	R146	QRSA08J-332YN	RESISTOR	1	C103	QCFA1HZ-103	CAPACITOR
	R147	QRSA08J-472YN	RESISTOR		C104	QCSA1HJ-390	CAPACITOR
	R148	QRSA08J-184YN	RESISTOR	- 1	C106	QCSA1HJ-180	CAPACITOR
	R149	QRSA08J-682YN	RESISTOR	İ	C107	QCSA1HJ-390	CAPACITOR
				ŀ			
	R150	QRSA08J-184YN	RESISTOR	- 1	C108	QCSA1HJ-120	CAPACITOR
				- 1	C109	QCSA1HJ-100	CAPACITOR
	R151	QRSA08J-223YN	RESISTOR	l.	C110	QER50JM-476	E CAPACITOR
	R152	QRSA08J-102YN	RESISTOR	- 1			
	R154	QRSAD8J-821YN	RESISTOR	i	Clll	QCFA1HZ-103	CAPACITOR
				ı	C112	QCFA1HZ-103	CAPACITOR
	B1	QRSA08J-0R0Y	RESISTOR, X14	- 1	C113	QCSA1HJ-360	CAPACITOR
				- 1	C114	QCSA1HJ-220	CAPACITOR
	B14	QRD161J-0R0	RESISTOR	ı	C115	QCSA1HJ-180	CAPACITOR
		•		ı	C117	QCFA1HZ-103	CAPACITOR
	Cl	QCFA1HZ-103	CAPACITOR	ı	Č118	QCSA1HJ-470	CAPACITOR
	CS	PU60733-200	TRIMMER CAPACITOR	l l	C120	QCFA1HZ-103	CAPACITOR
	C3	QCFA1HZ-103	CAPACITOR	ı			
	C4	PU60733-200	TRIMMER CAPACITOR	ı	C121	QCFA1HZ-103	CAPACITOR
	C5			ı	C122	QCFA1HZ-103	CAPACITOR
		PU60733-200	TRIMMER CAPACITOR	ı	C123	QCFA1HZ-103	
	C6	QCFA1HZ-103	CAPACITOR	l l			CAPACITOR
	C7	PU60733-100	TRIMMER CAPACITOR	į į	C124	QCSA1HJ-681	CAPACITOR
	C8	QCFA1HZ-103	CAPACITOR	Į.	C125	QCFA1HZ-103	CAPACITOR
	C9	QER51HM-105	E CAPACITOR	•	C126	QER51HM-105	E CAPACITOR
	C10	QER51HM-105	E CAPACITOR	1	C127	QER51EM-475	E CAPACITOR
					C128	QCFA1HZ-103	CAPACITOR
	Cll	QER51HM-105	E CAPACITOR	l	C129	QER50JM-476	E CAPACITOR
	C12	QER51HM-105	E CAPACITOR		C130	QCFA1EZ-104	CAPACITOR
	C13	QER50JM-476	E CAPACITOR	l			
	C14	QCFA1HZ-103	CAPACITOR		C131	QCSA1HJ-221	CAPACITOR
	C15	QCFA1HZ-103	CAPACITOR		C132	QCSA1HJ-120	CAPACITOR
	C16	QCFA1HZ-103	CAPACITOR	l l	C133	QCSA1HJ-7R0	CAPACITOR
	C17	QCFA1HZ-103	CAPACITOR	- 1	C134	QCSA1HJ-680	CAPACITOR
	C18	QCSA1HJ-560	CAPACITOR	·	C138	QCSB1HJ-100	CAPACITOR
	C19	QCSA1HJ-151	CAPACITOR	1	0130	40001110 100	CAI ACTION
	C20		CAPACITOR		L1	PU48530-101K	COIL
	CZU	QCSA1HJ-271	CAPACITOR	ŧ			
			5 010107700	1	L2	PU59152-181J	COIL
	C21	QER50JM-476	E CAPACITOR	ı	L3	PU48530-101K	COIL
	C22	QCFA1HZ-103	CAPACITOR	Ī	L4	PU59152-820J	COIL
	C23	QCSA1HJ-331	CAPACITOR	Į	L5	PU59152-101J	COIL
	C24	QCSA1HJ-121	CAPACITOR	1	L6	PU48530-101K	COIL
	C25	QCFA1HZ-103	CAPACITOR	l	L7	PU59152-4R7K	COIL
	C26	QER51HM-104	E CAPACITOR	ı	L8	PU59152-270J	COIL
	C27	QCFA1HZ-103	CAPACITOR	1	L9	PU59152-330J	COIL
	C28	QER51HM-105	E CAPACITOR	ı	L10	PU59152-330J	COIL
	C29	QER51HM-105	E CAPACITOR	ı		,	
	C30	QCFA1HZ-103	CAPACITOR	ı	L11	PU59152-2R2K	COIL
		ZOI 112116 400	neaten	İ	L12	PU59152-100J	COIL
	C31	QCFA1HZ-103	CAPACITOR	ļ	L13	PU59152-150J	COIL
		401 MTUT-103	Uni NOTION	,			

#.fs RE	EF NO.	PART NO.	PART NAME, DESCRIPTION		PART NO.	PART NAME, DESCRIPTION
					QCSB1HJ-560	CAPACITOR
				C3	•	
	–		COIL	C4	QCBB1HJ-820	
			COIL	C5	QCVB1CN-103	CAPACITOR
L1	103	PU59152-390J	COIL	C6	QCBB1HJ-820	CAPACITOR
L	104	PU59152-221J	COIL	C8	QCBB1HJ-820 QCT25UJ-181	CAPACITOR
L:	105	PU59152-100J	COIL	C9	QCT05UJ-330	
L:		PU48530-101K	COIL			
		PU59152-820J	COIL		PU48530-560J	COIL
		PU59152-330J	COIL		PU48530-3R3K	
			COIL	L1 L2 L3	PU40530-3R3K	
		PU59152-820J				COIL
L.	110	PU59152-220J	COIL	L4	PU59152~101J	COIL
		PU59152-220J	COIL	T1	PU56175	S.TRANS
		PU48530-101K	COIL			
L:	114	PU59152-8R2J	COIL	SLD1	PU60779	SHIELD CASE
L:	115	PU59152-121J	COIL	SLD2	PU60781	SHIELD COVER
			· ;	SLD3	PU60780	SHIELD PLATE
E.	TH1	PQ40433-2	EARTH LUG			
-	****	1440400 2	ERRYTT COO	CN1	PU58844-3	CAP HOUSING
UI	MT	P0429EE	DOADD DDACKET	CN2	PU58844-2R	CAP HOUSING
n.	N1	PQ42955	BUARU BRACKET			
	_			CN3	PU58844~2	CAP HOUSING
J		PW30109-50AAZZ7				
J:	2	PW30109-50AAZZ7	PARALLEL WIRE	*******	<b>***********</b>	*********
. 50	CW1	DPSP2606Z	SCREW, X2			
S	CW2	DPSP2606Z	SCREW	***	**********	**************
		WBS2600Z	WASHER	*	21. SERVO BOAR	D ASSEMBLY <48> *
_				***	*********	*********
9	LD1	PU36485	SHIELD PLATE			
	FD5		SHIELD CASE			
3	LDZ	FU36406	SHIELD CASE	DUD 4	DD101524-01	CERVA BOARD ACCV
_				PWBA	PB10152A-01	SERVO BOARD ASSY
S	PC1	PU59210-001	W.LOCKING SPACE, X5			
_				IC1	HD49722NT	IC
T.	P1	PU56008	TEST PIN, X8(TP1,3-7,GND1,2)	IC2	BU2767S	IC .
				'		
C	N1	PU56258-10	CAP HOUSING	Q1	DTC124ES	TRANSISTOR
С	N2	PU58844-5	CAP HOUSING	. 01	R 2SC3400	TRANSISTOR
C	N3	PU58844-3R	CAP HOUSING	01	R UN4212	TRANSISTOR
С	N4	PU58844-2	CAP HOUSING	Q2	DTA124ES	TRANSISTOR
	N5	PU58844-2 PU58844-4	CAP HOUSING		R 2SA1346	TRANSISTOR
	N6	PU58844-5	CAP HOUSING		R UN4112	TRANSISTOR
	N7		CAP HOUSING	Q3	DTA124ES	TRANSISTOR
•		1020044 3	CAI 110001110		R UN4112	TRANSISTOR
~~~~						
***	***	*****	*********		R 2SA1346	TRANSISTOR
				Q4	DTA124ES	TRANSISTOR
					R UN4112	TRANSISTOR
	***	**********	**********		R 2SA1346	TRANSISTOR
	×	20. FLYING ERA	SE BOARD ASSEMBLY <46> *	Q5	DTA124ES	TRANSISTOR
	****	***********	***********	0	R 2SA1346	TRANSISTOR
				0	R UN4112	TRANSISTOR
				Q6	DTC144ES	TRANSISTOR
P	WBA	PB30092A	FLYING ERASE BOARD ASSY	0	R 2SC3399	TRANSISTOR
•	""	1 8500724	TETTING ENHAGE BORNO HOOT		R UN4213	TRANSISTOR
_		2040776	TRANSTETOR	07	DTA124ES	TRANSISTOR
	11	2SA933S	TRANSISTOR			
	12	2SC1741S(QR)	TRANSISTOR		R 2SA1346	TRANSISTOR
	13	2SA933S(Q)	TRANSISTOR		R UN4112	TRANSISTOR
Q	14	2SD639R	TRANSISTOR	•		
Q	15	2SD639R	TRANSISTOR	וס	188133	DIODE
				0	R MA165	DIODE
0	01	UZ8.2BSC	ZENER DIODE	D2	188133	DIODE
	02	1SS133	DIODE	l o	R MA165	DIODE
_	-			D3 -	188133	DIODE
n	1	QRD161J-473	RESISTOR		R MA165	DIODE
				D4 0	155133	DIODE
	22	QRD161J-472	RESISTOR			
	₹3	QRD161J-222	RESISTOR		R MA165	DIODE
	₹4	QRD161J-473	RESISTOR	D5 _	188133	DIODE
R	₹5	QRD161J-183	RESISTOR		R MA165	DIODE
R	₹6	QRD161J-104	RESISTOR	D6	155133	DIODE
	₹7	QRD161J-121	RESISTOR	. 0	R MA165	DIODE
	₹8	QRD161J-104	RESISTOR	D7	188133	DIODE
	₹9	QRD161J-121	RESISTOR		R MA165	DIODE
•	• •			D8	188133	DIODE
_	-1	OCV21CN-107	CAPACITOR		R MA165	DIODE
	21	QCV81CN-103				
C	32	QCC31EJ-123	CAPACITOR	i D9	188133	DIODE

	PART NO.	PART NAME, DESCRIPTION	₩.A REF N	O. PART NO.	PART NAME, DESCRIPTION
D10	188133	DIODE	R52 R53	QRSAO8J-104YN QRSAO8J-684YN	RESISTOR
D11	155133	DIODE	R55	QVZ3521-224	RESISTOR
	MA165	DIODE			V RESISTOR
D12			R56	QRD161J-473	RESISTOR
	188133	DIODE	R57	QRSA08J-154YN	RESISTOR
	MA165	DIODE	R58	QRSA08J-274YN	RESISTOR
D13	188133	DIODE	R59	QVZ3521-104	V RESISTOR
	MA165	DIODE			
D14	188133	DIODE	R61	QRSA08J-684YN	RESISTOR
OF	MA165	DIODE .	R63	QRSA08J-104YN	RESISTOR
D15	188133	DIODE		2	
OF	MA165	DIODE	B1	QRSA08J-OROY	RESISTOR, X13
D16	188133	DIODE	J	GROADOD ORDI	RESISTOR, XIS
OF	MA165	DIODE	C1	QCC11CK-102	CAPACITOR
D17	188133	DIODE			
	MA165	DIODE	CS	QEK61AM-226	E CAPACITOR
D18			C3	QEK61AM-226	E CAPACITOR
	188133	DIODE	C4	QCSB1HJ-150	CAPACITOR
	MA165	DIODE	C5	QCC11CK-473	CAPACITOR
D20	188133	DIODE	C6	QCBB1HJ-102	CAPACITOR
O F	! MA165 .	DIODE	C7	QEK61HM-105	E CAPACITOR
			C8	QCBB1HJ-102	CAPACITOR
R1	QRSAD8J-682YN	RESISTOR	C9	QCC11CK-153	CAPACITOR
R2	QRSA08J-102YN	RESISTOR	C10	QCBC1HJ-561	CAPACITOR
R3	QRSA08J-155YN	RESISTOR	1	10001	
R4	QRSA08J-102YN	RESISTOR	(1)	UCC11CY-103	CAPACITOR
R5	QRSA08J-103YN	RESISTOR	C11	QCC11CK-102	
R6			C12	QEK61HM-105	E CAPACITOR
	QRSA08J-105YN	RESISTOR	C13	GEK 6 J WW-556	E - CAPACITOR
R7	QRSA08J-102YN	RESISTOR	C14	QCB81HJ-101	CAPACITOR
R8	QRSA08J-102YN	RESISTOR	C15	QCC11CK-102	CAPACITOR
₹9	QRSA08J-102YN	RESISTOR	· C16	QFV71HJ-274	M CAPACITOR
R10	QR\$AO8J-222YN	RESISTOR	C17	QFV71HJ-564	TF CAPACITOR
			C18	QFV71HJ-153	TF CAPACITOR
₹11	QRSA08J-273YN	RESISTOR	C19	QEK61EM-475	E CAPACITOR
12	QRSAD8J-475YN	RESISTOR	C50	QEK61EM-475	E CAPACITOR
₹13	QRSAD8J-333YN	RESISTOR	1	42.0022 72	- om norion
14	QRSAD8J-392YN	RESISTOR	C21	QEK61CM-106	E CAPACITOR
15	QRSA08J-153YN	RESISTOR			
16			C22	QEK61CM-106	E CAPACITOR
	QRSAD8J-182YN	RESISTOR	C23	QFV71HJ-334	M CAPACITOR
117	QRSAO8J-105YN	RESISTOR	C24	QFV71HJ-333	M CAPACITOR
718	QRSAD8J-273YN	RESISTOR	C25	QCBB1HJ-471	CAPACITOR
₹19	QRSAO8K-395YN	RESISTOR	C26	QFL31HJ-682	M CAPACITOR
₹20	QRSAO8J-105YN	RESISTOR	C27	QFL31HJ-102	M CAPACITOR
			C28	QFV71HJ-124	M CAPACITOR
₹21	QRSA08J-273YN	RESISTOR	C29	QCF31HP-223	CAPACITOR
322	QRSA08J-274YN	RESISTOR	C30	QCBB1HJ-101	CAPACITOR
₹23	QRSAD8J-393YN	RESISTOR	1		
24	QRSA08J-475YN	RESISTOR	C31	QCBB1HJ-101	CAPACITOR
₹25	QRSAD8J-334YN	RESISTOR	C32	OCC11CK-102	CAPACITOR
226					
	QRD161J-222	RESISTOR	C33	QFV71HJ-224	M CAPACITOR
27	QRSA08J-154YN	RESISTOR	C34	QEK61AM-226	E CAPACITOR
228	QRSAD8J-154YN	RESISTOR	C35	QFV71HJ-393	M CAPACITOR
830	QRD161J-102	RESISTOR	C36	QFV71HJ-274	M CAPACITOR
			C37	QFV71HJ-124	M CAPACITOR
₹31	QRD161J-104	RESISTOR	C38	QFV71HJ-393	M CAPACITOR
₹32	QVZ3521-684	V RESISTOR	C39	QCBB1HJ-102	CAPACITOR
233	QRD161J-104	RESISTOR	C40	QCBB1HJ-561	CAPACITOR
34	QRSA08J-222YN	RESISTOR	1		
35	QRSA08J-823YN	RESISTOR	C41	QFV71HJ-474	M CAPACITOR
36	QVZ3521-474	V RESISTOR	C42		
37	QRSA08J-103YN		1 642	QCBB1HJ-102	CAPACITOR
3 <i>1</i>		RESISTOR			
	QVZ3521-474	V RESISTOR	THI	NTH5D223KA	THERMISTOR
39	QRD161J-102	RESISTOR	1	OR NTH5D223LA	THERMISTOR
40	QRD161J-223	RESISTOR	TP1	PU45908-3	TEST PIN, X2(TP1,GND)
₹41	QRD161J-334	RESISTOR	1		
142	QRSA08J-103YN	RESISTOR	CN1	PU58844-4	CAP HOUSING '
343					
	QRSA08J-123YN	RESISTOR	CN4	PU58931-14	CAP HOUSING
344	QRSA08J-822YN	RESISTOR	CN5	PU58931-12	CAP HOUSING
145	QRSA08J-223YN	RESISTOR	CN6	PU58844-8	CAP HOUSING
47	QRSA08J-123YN	RESISTOR	1		
8	QRSA08J-392YN	RESISTOR	******	***********	*****************
		DECTOTOD	,		
9	QRSAO8J-123YN	RESISTOR	1		

PART NAME, DESCRIPTION #1 REF NO. PART NO. 22. DECK TERMINAL BOARD ASSEMBLY <51> ********************************** DECK TERMINAL BOARD ASSY PWBA PB20013C1 QRD181J-151 QRD181J-331 RESISTOR R1 R3 RESISTOR PHOTO INTERRUPTER PS1 PU60271 WIRE TRAP CNI PU59933-17 23. RELAY BOARD ASSEMBLY <52> ****************************** RELAY BOARD ASSY PB20013C2-02 PWRA CAPACITOR Cl QCC11EJ-104 T CS N FILTER PU59736-471 PU59736-471 έKI PU60281-5 FERRITE BEADS PW30113-GOABZ62 PARALLEL WIRE WR 1 WR2 OR PW30118-GOABZ62 PARALLEL WIRE REC SAFETY BOARD ASSY PWBA PB20013A3 REC SAFETY SWITCH Sl PU58644-1-3 ¥`` 25. END SENSOR BOARD ASSEMBLY <54> PWBA PB20013A4 END SENSOR BOARD ASSY PN268R-NC PHOTO TRANSISTOR 01 PQ31047-1-4 E.S.HOLDER HD1 PU59945-102 WIRE SOCKET 26. CASSETTE HOUSING BOARD ASSEMBLY <56> * *********************** CASSETTE HOUSING BOARD ASSY PWBA PB30043

CASSETTE HOUSING BOARD ASSY

OR PB30097

å	REF NO.	PART NO.	PART NAME, DESCRIPTION
	PT1	PN268R-NC	PHOTO TRANSISTOR
	R1	QRD162J-471,	RESISTOR
	PHS1	PU58879	PHOTO INTERRUPTER
	CN1	PU58844-106	CAP HOUSING